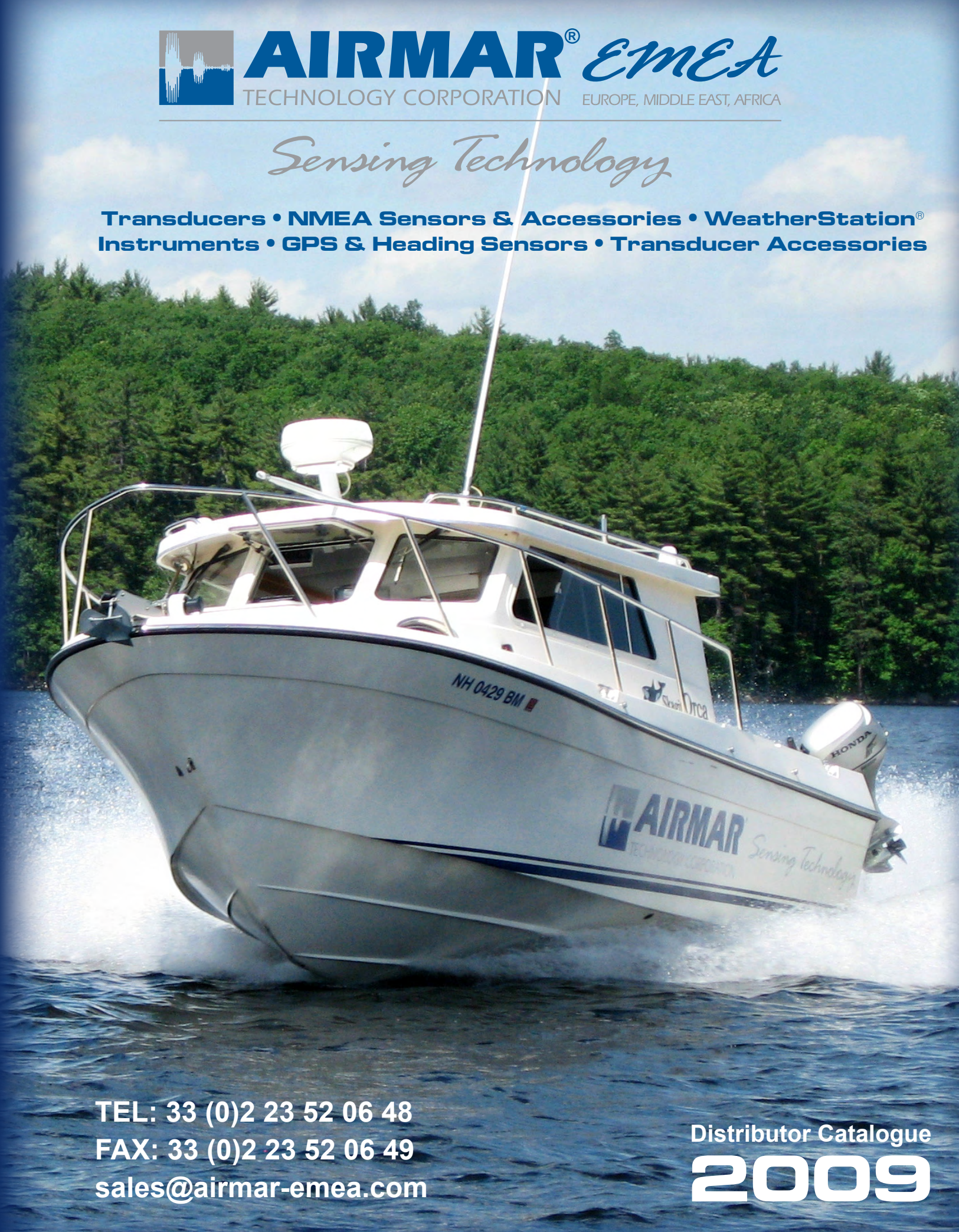
AIRMAR® EMEA

TECHNOLOGY CORPORATION

EUROPE, MIDDLE EAST, AFRICA

Sensing Technology

Transducers • NMEA Sensors & Accessories • WeatherStation®
Instruments • GPS & Heading Sensors • Transducer Accessories



TEL: 33 (0)2 23 52 06 48
FAX: 33 (0)2 23 52 06 49
sales@airmar-emea.com

Distributor Catalogue

2009

Airmar® EMEA Distributor Catalogue

About Airmar® EMEA

Airmar EMEA, located in Saint-Malo, France, distributes Airmar® Technology Corporation's line of Transducers for Fishfinding and Instruments, NMEA Sensors and Accessories, WeatherStation® Instruments, GPS and Heading Sensors, and Marine Electronic Accessories throughout Europe, the Middle East, and Africa.

This new 450 square meter (4,844 square foot) distribution center houses full product inventory and offers same day shipping. This building also has an on-site product showroom and in-house training facility for manufacturers and distributors. If you are interested in training classes please contact us for more information.

Airmar EMEA is run by General Manager, Bertrand Picarda. Bertrand has over 15 years of experience in the marine industry both in sales and fishing endeavors. His knowledge of marine electronics and transducer selection and installation is valuable to all of our customers. Bertrand is joined by Operations Manager, Nadine Chevreul who comes to Airmar EMEA from RAPALA France, and by Neil Robertson, who will serve as Warehouse Operator.

Our Mission

Our mission is to supply our customers with quality products and to provide exceptional technical support.

Ordering Information

Minimum Order

We have a minimum shipping order of €10.00.

Placing Orders

When ready to place your order, call 33 (0)2 23 52 06 48. Please have your order ready before placing your call. Your cooperation is appreciated. If you are unsure of your exact requirements please call for help in ascertaining your needs.

Returns

In returning any sensor which the buyer regards as defective, the buyer must state the amount to be returned and receive a Returned Materials Authorization (RMA) number from Airmar prior to returning the sensor. Upon receipt of the returned products, Airmar, at its election, will repair, replace or issue credit, within 30 days after receipt at Airmar of the returned products. Transportation charges to Airmar on warranty returns must be prepaid by the customer. Return surface transportation charges will be prepaid by Airmar.

Airmar will inform the buyer in writing of any rejected warranty claims and the reasons for the denied claim.

Warranty Information

See inside back cover for more information.

Airmar® EMEA
9, BIS Rue des Grands Jardins, ZI Sud
35400 Saint-Malo, France

Tel: 33 (0)2 23 52 06 48
Fax: 33 (0)2 23 52 06 49
Email: sales@airmar-emea.com
Web: www.airmar-emea.com





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AIRMAR® EMEA
TECHNOLOGY CORPORATION EUROPE, MIDDLE EAST, AFRICA
Sensing Technology

RoHS COMPLIANT

REGISTERED TO ISO 9001:2000

CE

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17-515-01 revA 10/30/08

As Airmar constantly improves its products, all specifications are subject to change without notice. All Airmar products are designed to provide high levels of accuracy and reliability, however they should only be used as aids to navigation and not as a replacement for traditional navigation aids and techniques. Smart™, Tilted Element™, TRIDUCER®, WeatherCaster™, WeatherStation®, and Xducer ID® are registered trademarks and trademarks of Airmar Technology Corporation. Other company or product names mentioned in this document may be trademarks or registered trademarks of their respective companies, which are not affiliated with Airmar.

RoHS compliant products are available for most models upon request.

Specialty Products
WeatherStation® Instrument

PB150, NMEA 0183

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com



- True wind speed and direction
- Apparent wind speed and direction
- Barometric pressure
- Air temperature
- Wind chill temperature
- Internal WAAS GPS
- Two-axis solid-state compass
- Three-Axis Accelerometer for Pitch and Roll
- RS485 and NMEA 0183 output

Every Airmar WeatherStation® Instrument is calibrated in the on-site wind tunnel, whose wind measurements are traceable to a National Institute of Standards and Technology (NIST) Standard Reference Material.

The enhanced PB150 Ultrasonic WeatherStation® Instrument features higher-accuracy temperature readings and improved wind speed and direction accuracy. WeatherCaster™ PC Software version 2.0 puts your own personal weatherman on-board the boat, 24 hours a day. The easy-to-use program has multiple screen views and advanced setup features to customize what you want to see. No computer on board—no problem, just connect the PB150 to a NMEA 0183 display* for up-to-the-minute weather information.

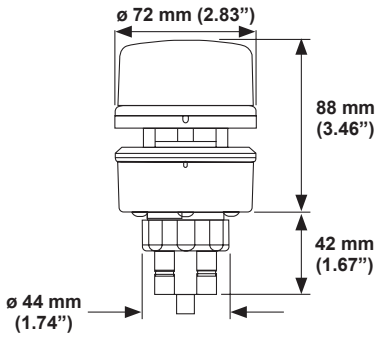
Before Leaving the Dock—Decide if you want to spend your day on the water. Anticipate weather fronts by checking the wind speed and direction, temperature, and barometric pressure. Check the weather history graphs, as the WeatherCaster™ Software can store readings for up to 72 hours.

Underway—Monitor up-to-the-minute weather conditions at your location. See where and when the fish will bite best based on wind conditions and a rising or falling barometer.

Docking—The on-board PC or chart plotter can display true wind data to make docking a vessel in high wind a breeze.

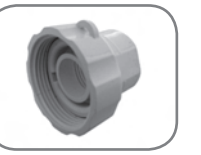
*NMEA 0183 display must be able to read the specific WeatherStation data sentences.

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



- **Standard 1"-14 standard marine mount connection accommodates existing mounting hardware.**

Parts & Accessories



Connector Collar:
33-546-01 .....€ CALL



Cable Extension Adaptor:
04-673-01 .....€ CALL

PB150—WeatherStation® Instruments

44-803-1-01 PB150 (Cable and accessories on pg 5) **Net: € CALL**

44-804-1-01 LB150 (Humidity & Dew Point) **Net: € CALL**

PB150—Specifications

RMS—Root Mean Square
*When the wind speed is less than 4 knots (4.6 MPH) and/or air temperature is below 0°C (32°F), wind and temperature will be less accurate
**Wet conditions include moisture, rain, frost, dew, snow, ice and/or sea spray in the wind channel

Wind Speed Range	0 knots to 80 knots (0 to 92 MPH)	**Air Temperature Accuracy**	**±1°C (±1.8°F)*** @ >4 knots (>4.6 MPH) wind
Wind Speed Resolution	0.1 knot (0.1 MPH)	**Barometric Pressure Range**	850 mbar to 1050 mbar (25 inHg to 34 inHg, 850 hPa to 1150 hPa)
Wind Speed Accuracy @ 0°C to 55°C (32°F to 131°F), No Precipitation**	**Low Wind Speeds—**0 knots to 10 knots (0 MPH to 11.5 MPH); ±1 knot (±1.1 MPH) +10% of reading	**Barometric Pressure Resolution**	1.1 mbar (0.032 inHg, 1.1 hPa)
	High Wind Speeds—10 knots to 80 knots (11.5 MPH to 92 MPH); ±2 knots (2.3 MPH) or 5% RMS, whichever is greater	**Barometric Pressure Accuracy**	±20 mbar (±0.59 inHg, ±20 hPa) when altitude correction is available
Wind Speed Accuracy in Wet Conditions**	5 knots (5.7 MPH) RMS	**GPS Position Accuracy**	3 m (10') with WAAS (95% of the time, SA off)
Wind Direction Range	0° to 360°	**Operating Temperature Range**	-25°C to 55°C (-13°F to 131°F)
Wind Direction Resolution	0.1°	**Supply Voltage**	9 VDC to 16 VDC
Wind Direction Accuracy @ 0°C to 55°C (32°F to 131°F), No Precipitation**	**6**° RMS Typical @ **Low Wind Speeds** (4 knots to 10 knots (4.6 MPH to 11.5 MPH))	**Weight**	285 grams (0.7 lb)
	3° RMS Typical @ **High Wind Speeds** (>10 knots (>11.5 MPH))	**Supply Current**	<150 mA
Wind Direction Accuracy in Wet Conditions**	**8**° RMS Typical @ >8 knots (>9.2 MPH)	**Sensor Baud Rate (NMEA 0183)**	4800 bps can be increased to 38,400 bps with a command
Compass Accuracy	1° RMS when level	**Thread Size on Base**	1"-14 UNS standard marine mount
Air Temperature Range	-25°C to 55°C (-13°F to 131°F)	**Certifications and Standards**	CE, RoHS
Air Temperature Resolution	0.1°C (0.1°F)		

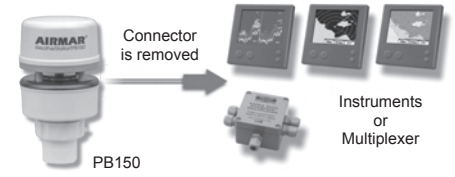
PB150—NMEA 0183 Sentence Structure

$GPDTM..... Datum Reference
$GPGGA..... GPS Fix Data
$GPGLL..... Geographic Position—Latitude & Longitude
$GPGSA..... GNSS DOP and Active Satellite
$GPGSV..... Satellite in View
$GPRMC..... Recommended Minimum GNSS
$GPVTG..... COG and SOG
$GPZDA..... Time and Date

$HCHDG..... Heading, Deviation, and Variation
$WIMDA..... Meteorological Composite
$WIMWD..... Wind Direction and Speed
$WIMWV..... Wind Speed and Angle
$WIMWR..... Relative Wind Direction and Speed
$WIMWT..... Transducer Measurement
$YXXDR..... Transducer Measurements

PB150 WeatherStation® Instrument Protocol is NMEA 0183 / RS485
Many marine instruments currently available in the market cannot interpret and display all of the NMEA sentences that the Ultrasonic WeatherStation is capable of outputting. For this reason, each WeatherStation® Instrument is supplied with a Windows® based software program that is completely customizable and capable of displaying all of the data from the WeatherStation® Instrument head. An optional USB converter allows the WeatherStation® Instrument data to be effortlessly converted and sent to the PC. An available USB/NMEA combiner allows simultaneous display of the WeatherStation® Instrument data on both a PC, an NMEA capable instrument, and up to three additional NMEA input devices to a single NMEA/USB output. As an example, an Airmar® Smart™ Sensor can be connected to the combiner so that depth, speed, and water temperature, as well as all WeatherStation® Instrument functions, can be output on a single USB and/or NMEA data line.

PB150 Connections—NMEA 0183 Only



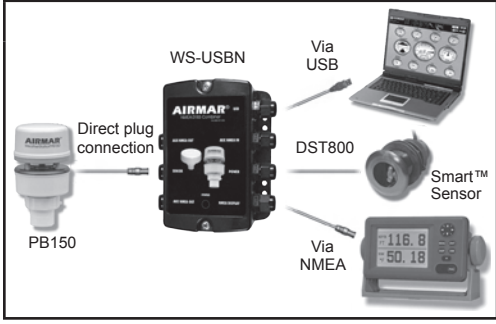
PB150 to NMEA 0183 Instruments

When using the PB150 with NMEA 0183 Instruments, the connector is removed and the cable is wired to the instrument input or a combiner/multiplexer. The PB150 will output to any NMEA instrument. A multiplexer such as Actisense or Noland can be used to output the data to multiple displays.



PB150 to a PC

When connecting the PB150 to a PC only, a USB converter is required. The WeatherStation® Instrument attaches to the USB converter via a plug-in cable and a 1.8 m (6') USB lead, which then outputs data to the PC. The USB converter also includes a 1.8 m (6') power cord for supplying required battery voltage.



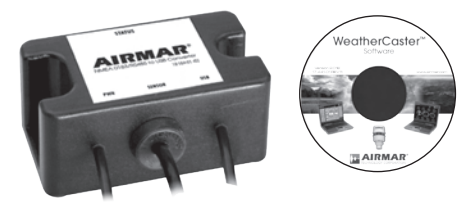
PB150 to a PC and an NMEA 0183 Device

When simultaneous connection to both a PC and an NMEA device is preferred, a USB/NMEA combiner is required. The WeatherStation® Instrument attaches to the USB/NMEA combiner via a plug-in cable. The combiners' included 1.8 m (6') USB lead outputs the data to a PC. The installer supplies the desired length NMEA output cable, and a battery power is supplied to the included power cord. Up to three additional NMEA devices can be brought into the USB/NMEA combiner, such as an Airmar® Smart™ Sensor. The data is combined and available to both the USB and NMEA outputs.



PB150 to a Furuno NMEA Display or NavNet Device

When using the WeatherStation® Instrument with a Furuno device, a direct-connect interface cable is supplied. One end of the cable plugs into the PB150 and the other end includes a 7-pin Furuno connector. The PB150 is powered via the Furuno display.



WeatherStation Programming Kit

The WeatherStation programming kit is a shop tool designed to allow installers to customize NMEA sentences and update the WeatherStation software from a PC before it is installed on the vessel.

Kit Includes: USB converter with software, power and USB cable, 1 m (3') standard WeatherStation cable, and 0.3 m (1') adapter that allows Furuno cable to plug into USB converter.

WS-Prog—Net: € CALL

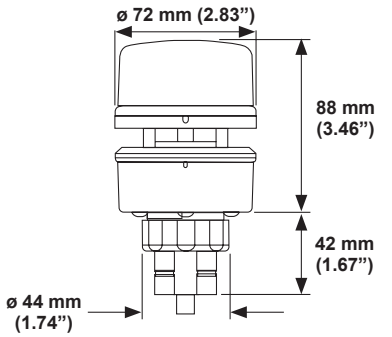
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com



- **Accurate Weather and Navigation Data**
- True wind speed and direction
- Apparent wind speed and direction
- Barometric pressure
- Air temperature
- Wind chill temperature
- Internal WAAS GPS
- Three-axis solid-state compass
- Three-Axis Accelerometer for Pitch and Roll
- Yaw rate gyro
- Outputs both NMEA 0183 and NMEA 2000®
- Better than 1° static compass accuracy
- Best-in-class 2° dynamic accuracy
- Yaw rate gyro provides rate-of-turn data
- WeatherCaster™ Software

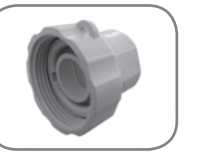
The PB200 WeatherStation instrument informs you of instantaneous changes in the weather. Wind Speed and Direction are measured using four ultrasonic transducers. No moving parts results in better durability and reliability. The internal WAAS GPS engine and three-axis solid-state compass make it possible for the PB200 to provide both Apparent and True Wind Speed and Direction without the need to add additional sensors. The WAAS GPS provides navigation data as well as magnetic variation and is suitable as your primary GPS source. The internal temperature and barometric pressure sensors help predict changing weather patterns. Combined with the internal heading sensor, most of your navigation needs are provided! No other sensor on the market incorporates all of these features in one compact housing.

What sets us apart from the competition and the original PB100 is the ability to provide 2° heading accuracy under dynamic conditions, such as rough seas. Airmar's unique dynamic motion correction software is the key difference. The PB200's heading is highly accurate and stable under most sea conditions—even if the vessel is pitching and rolling up to 30° in rough seas. Also unique to the PB200 is that the 3D accelerometer and rate gyro are temperature compensated, resulting in precise tilt and rate of turn data. This allows the PB200 to accurately measure True Wind Speed and Direction even when tilted up to 30°.



- **Standard 1"-14 standard marine mount connection accommodates existing mounting hardware.**

Parts & Accessories



Connector Collar:
33-546-01 .....€ CALL



Cable Extension Adaptor:
04-673-01 .....€ CALL

PB200—WeatherStation® Instrument

44-802-2-01 (Cable and accessories on page 5) **Net: € CALL**

PB200—Specifications

RMS—Root Mean Square
*When the wind speed is less than 4 knots (4.6 MPH) and/or air temperature is below 0°C (32°F), wind and temperature will be less accurate
**Wet conditions include moisture, rain, frost, dew, snow, ice and/or sea spray in the wind channel

Wind Speed Range	0 knots to 80 knots (0 to 92 MPH)	**Air Temperature Accuracy**	**±1°C (±1.8°F)*** @ >4 knots (>4.6 MPH) wind
Wind Speed Resolution	0.1 knot (0.1 MPH)	**Barometric Pressure Range**	850 mbar to 1050 mbar (25 inHg to 34 inHg, 850 hPa to 1150 hPa)
Wind Speed Accuracy @ 0°C to 55°C (32°F to 131°F), No Precipitation**	**Low Wind Speeds—**0 knots to 10 knots (0 MPH to 11.5 MPH); ±1 knot (±1.1 MPH) +10% of reading	**Barometric Pressure Resolution**	1.1 mbar (0.032 inHg, 1.1 hPa)
	High Wind Speeds—10 knots to 80 knots (11.5 MPH to 92 MPH); ±2 knots (2.3 MPH) or 5% RMS, whichever is greater	**Barometric Pressure Accuracy**	±20 mbar (±0.59 inHg, ±20 hPa) when altitude correction is available
Wind Speed Accuracy in Wet Conditions**	5 knots (5.7 MPH) RMS	**GPS Position Accuracy**	3 m (10') with WAAS (95% of the time, SA off)
Wind Direction Range	0° to 360°	**Operating Temperature Range**	-25°C to 55°C (-13°F to 131°F)
Wind Direction Resolution	0.1°	**Supply Voltage**	9 VDC to 16 VDC
Wind Direction Accuracy @ 0°C to 55°C (32°F to 131°F), No Precipitation**	**6**° RMS Typical @ **Low Wind Speeds** (4 knots to 10 knots (4.6 MPH to 11.5 MPH))	**Weight**	285 grams (0.7 lb)
	3° RMS Typical @ **High Wind Speeds** (>10 knots (>11.5 MPH))	**Supply Current**	<150 mA
Wind Direction Accuracy in Wet Conditions**	**8**° RMS Typical @ >8 knots (>9.2 MPH)	**Sensor Baud Rate (NMEA 0183 Only)**	4800 bps can be increased to 38,400 bps with a command
Compass Accuracy	1° RMS when level 2° RMS for pitch and roll angles up to 30° 3°RMS for pitch and roll angles up to 45°	**NMEA 2000® Load Equivalency Number (LEN)**	13
Air Temperature Range	-25°C to 55°C (-13°F to 131°F)	**Thread Size on Base**	1"-14 UNS standard marine mount
Air Temperature Resolution	0.1°C (0.1°F)	**Certifications and Standards**	CE, IPX6, RoHS, IEC60945

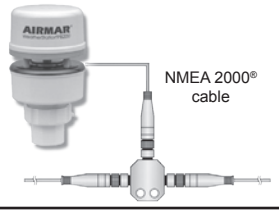
NMEA 0183 Sentence Structure

$GPDTM..... Datum Reference
$GPGGA..... GPS Fix Data
$GPGLL..... Geographic Position—Latitude & Longitude
$GPGSA..... GNSS DOP and Active Satellite
$GPGSV..... Satellite in View
$GPRMC..... Recommended Minimum GNSS
$GPVTG..... COG and SOG
$GPZDA..... Time and Date
$HCHDG..... Heading, Deviation, and Variation
$HCHDT..... True Heading
$TIROT..... Rate of Turn
$WIMDA..... Meteorological Composite
$WIMWD..... Wind Direction and Speed
$WIMWV..... Wind Speed and Angle
$WIMWR..... Relative Wind Direction and Speed
$WIMWT..... Transducer Measurement
$YXXDR..... Transducer Measurements

NMEA 2000® Support PGNs

059392..... ISO Acknowledgement
060928..... ISO Address Claim
126208..... Acknowledgement Group Function
126464..... PGN List
126992..... System Time
126996..... Product Information
126998..... Confirmation Information
127250..... Vessel Heading
127251..... Rate of Turn
127257..... Attitude
127258..... Magnetic Variation
129025..... Position, Rapid Update
129026..... COG and SOG, Rapid Update
129029..... GNSS Position Data
129033..... Time and Date
129044..... Datum
129538..... GNSS Control Status
129539..... GNSS DOPs
129540..... GNSS Sats in View
130306..... Wind Data
130310..... Environmental Parameters
130311..... Environmental Parameters
130323..... Meteorological Station Data

PB200 Connections——NMEA 0183 and NMEA 2000®



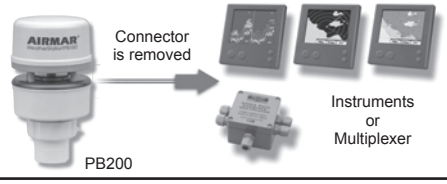
PB200 to NMEA 2000® Network

When connecting the PB200 WeatherStation® Instrument to a NMEA 2000® network backbone, a devicenet cable is needed. See page 5 for all cable options.



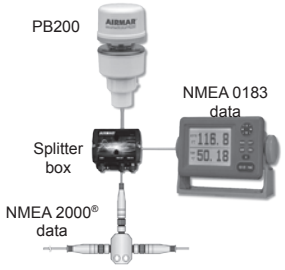
PB200 to a Furuno NMEA 0183 Display or NavNet Device

When using the WeatherStation® Instrument with a Furuno NMEA 0183 device, a direct-connect interface cable is needed. One end of the cable plugs into the PB200 and the other end includes a 7-pin Furuno connector. The PB200 is powered via the Furuno Display.



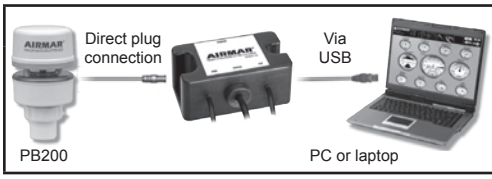
PB200 to NMEA 0183 Instruments

When using the PB200 with NMEA 0183 Instruments, the 8-pin connector is removed and the cable is wired to the instrument or a combiner/multiplexer. The PB200 will output to any NMEA instrument. A multiplexer such as ActiSense® or Noland® can be used to output the NMEA 0183 data to multiple displays.



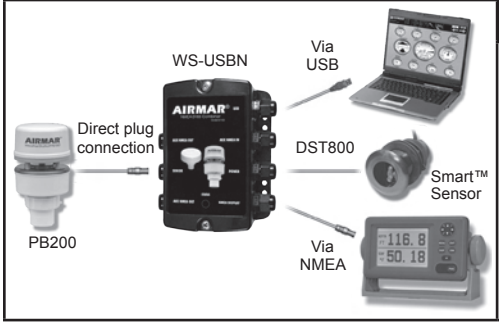
PB200 to a NMEA 0183 and NMEA 2000® Networks

When simultaneously connecting the PB200 to both NMEA 2000® and NMEA 0183 networks, a combination cable kit is required. This kit contains either a 15 m (50') or 30 m (100') combination cable, splitter box, 3M connectors, and a 6 m (20') devicenet cable for connecting to the NMEA 2000 network.



PB200 to a PC

When connecting the PB200 to a PC only, a USB converter is required to use the WeatherCaster™ PC Software. The WeatherStation® Instrument attaches to the USB converter via a plug-in cable and a 1.8 m (6') USB lead, which then outputs data to the PC. The USB also includes a 1.8 m (6') power cord for supplying required battery voltage.



PB200 to a PC and an NMEA 0183 Device

When simultaneous connection to both a PC and an NMEA device is preferred, a USB/NMEA combiner is required. The WeatherStation® Instrument attaches to the USB/NMEA combiner via a plug-in cable. The combiners' included 1.8 m (6') USB lead outputs the data to a PC. The installer supplies the desired length NMEA output cable, and a battery power is supplied to the included power cord. Up to three additional NMEA devices can be brought into the USB/NMEA combiner, such as an Airmar® Smart™ Sensor. The data is combined and available to both the USB and NMEA outputs.

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

PB150, PB200, G2183, GH2183, and H2183 Cable Options

NMEA 0183 Cables—Airmar® Connector



33-913-01 (15 m / 49'—No connector)	Net: € CALL
33-862-02 (10 m / 33')	Net: € CALL
33-862-01 (15 m / 49')	Net: € CALL
33-862-03 (25 m / 82')	Net: € CALL
33-862-04 (35 m / 115')	Net: € CALL
33-862-05 (45 m / 148')	Net: € CALL
CX-128 (Replacement 8-Pin Connector)	Net: € CALL

Furuno® NMEA 0183 Cables—Furuno® 7-Pin Connector



33-910-01 (15 m / 49')	Net: € CALL
33-910-02 (25 m / 82')	Net: € CALL
33-912-01 (0.3 m / 1'—Airmar® to Furuno® Pigtail Adaptor)	Net: € CALL
33-910-03 (10 m / 33')	Net: € CALL

NMEA 2000® Cables—6-Pin DeviceNet (Male)



33-1029-01 (3 m / 10')	Net: € CALL
33-1029-02 (6 m / 20')	Net: € CALL
33-1029-03 (15 m / 50')	Net: € CALL
33-1029-04 (30 m / 100')	Net: € CALL

Combination NMEA 0183 & NMEA 2000® Cable Kits



33-641-02 (Kit includes 15 m (50') NMEA 0183 and NMEA 2000 cable, junction box, 3M connectors, and 6 m (20') devicenet cable with molded NMEA 2000 male connector)	Net: € CALL
33-641-03 (Kit includes 30 m (100') NMEA 0183 and NMEA 2000 cable, junction box, 3M connectors, and 6 m (20') devicenet cable with molded NMEA 2000 male connector)	Net: € CALL

NMEA 0183 USB Combiner



33-800-01	Net: € CALL

Allows Airmar® NMEA data to be displayed simultaneously on both a PC and NMEA device

NMEA 0183 Converter



33-801-01	Net: € CALL

Converts the NMEA data from Airmar® sensors to USB for displaying with WeatherCaster™ PC Software

NMEA 2000® USB Gateway



33-727-01	Net: € CALL

Allows NMEA 2000® data to be displayed on a PC by converting it to USB format.

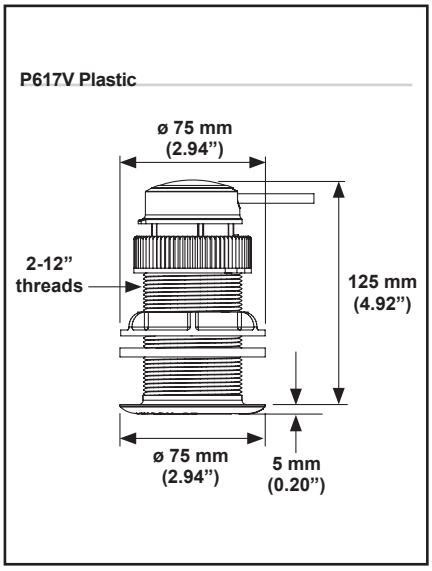


- Low lux (0.1) for day or night viewing
- PAL or NTSC output versions available
- Plastic housing
- Waterproof
- Sapphire viewing window
- Retractable insert
- Self-closing water valve
- Patent pending

Applications
- Sportfishing
- Research and survey
- Scuba diving
- Search and recovery
- Commercial fishing
- Surveillance and safety

Combine the fish-finding power of an Airmar transducer with the viewing capability of the Airmar Camera and get the ultimate underwater observation system. This thru-hull camera will display what is directly below the boat, making it an ideal underwater fishing camera or underwater video surveillance/safety system. Simply connect the single cable to any display with a PAL or NTSC input and spy on the underwater world.

We have combined the industry renowned Airmar housings with one of the lowest Lux (0.01) cameras available today—all protected by a sapphire viewing window that resists scratching or cracking. The retractable housing with a valve is available in plastic or stainless steel and allows for easy servicing and cleaning of the camera while the boat is in the water. See what you have been missing with the Airmar underwater camera.



AIRMAR®
TECHNOLOGY CORPORATION
Sensing Technology

CA500—Specifications

Camera	1/3" Sony CCD	**Aperture**	F 2.0
PAL (H x V)	500 x 582, 625 lines, 50 field per second	**Built-In Lens**	4.3 mm (0.17") cone pinhole lens
NTSC (H x V)	510 x 492, 525 lines, 60 field per second	**S/N Ratio**	>46 dB
Operating Temperature	-10°C to 50°C (14°F to 122°F)	**White Balance**	1 Vp-p 75 ohms negative
Storage Temperature	-20°C to 60°C (-4°F to 140°F)	**Operating Voltage**	10 VDC to 15 VDC (100 mA)
Sync System	Internal synchronization	**Operating Temperature Range**	-25°C to 55°C (-13°F to 131°F)
Minimum Illumination	0.5 day or 0.01 night Lux	**Supply Voltage**	9 VDC to 16 VDC
Resolution	420 TV lines	**Standard Cable Length**	20 m (66')
Angle of View in Water	92° diagonal	**Weight**	0.9 kg (2.0 lb)
Focal Length	3.6 mm (0.14")	**CE Regulations**	Complies to IERC945

CA500—Underwater Cameras

44-120-1-02 PAL Version	**Net: € CALL**
Housing: Plastic Cable Length: 20 m (82')	

44-122-1-02 NTSC Version	**Net: € CALL**
Housing: Plastic Cable Length: 20 m (82')	

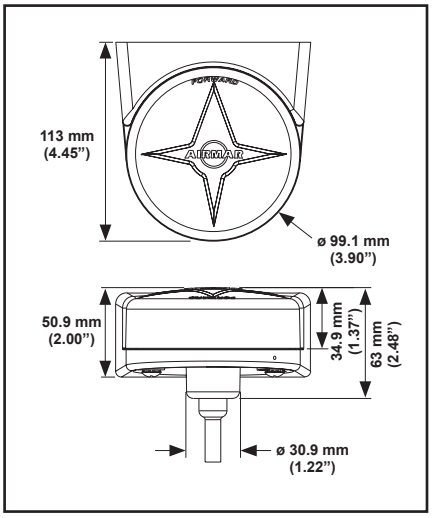
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com



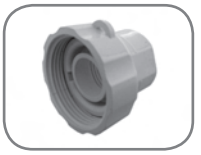
- Better than 1° static heading accuracy
- Best-in-class 2° heading accuracy in dynamic conditions
- Three-axis solid-state compass
- Three-axis accelerometer for pitch and roll
- Three-axis rate gyro provides rate-of-turn data and improves heading accuracy in dynamic conditions
- Only recreational heading sensor that uses a three-axis rate gyro
- Easily mounts on any angled bulkhead
- IPX6 waterproof enclosure
- Default 10 Hz update rate for heading
- Outputs NMEA 0183 and NMEA 2000 data simultaneously

Whether you are offshore fishing or just enjoying family time on the water, feel confident and comfortable that the H2183 is your reliable source for heading information. The solid-state three-axis compass, combined with Airmar's additional advanced sensors and software provide unparalleled performance. What sets the H2183 apart from the competition is its ability to maintain 2° of heading accuracy under dynamic motion conditions, such as steep heeling, hard turns, and rough seas. Heading integrated with the three-axis rate gyro and three-axis accelerometer data allows the H2183 to maintain 2° of accuracy even if the vessel is pitching and rolling up to 30°. This level of accuracy is perfect for interfacing with autopilots, chart plotters, and radar systems.

The H2183's innovative circular design easily mounts and aligns on ANY angled bulkhead. Designed for simultaneous use with NMEA 0183 and NMEA 2000® devices, the waterproof, easy-to-install sensor comes with a single cable which can be wired into both NMEA 0183 and NMEA 2000 networks on the vessel.



Parts & Accessories



Connector Collar:
33-546-01 .....€ CALL



Cable Extension Adaptor:
04-673-01 .....€ CALL

H2183—Specifications

Compass Accuracy	—1° RMS when level —2° RMS for pitch and roll angles up to 30° —3° RMS for pitch and roll angles up to 45°	**Pitch and Roll Range**	±50°
Heading Display Resolution	0.1°	**Pitch and Roll Accuracy**	<1°
Settling Time	1 second (adjustable)	**Pitch and Roll Display Resolution**	0.1°
Heading Data Output Update Rate	—10 times per second—NMEA 0183 —Adjustable up to 20 times per second—NMEA 2000®	**Pitch and Roll Boat Alignment**	Yes (with software)
		Pitch and Roll Data Output Update Rate	—10 times per second—NMEA 0183 —Adjustable up to 20 times per second—NMEA 2000®
Rate-of-Turn Range	0° to 70° per second	**Operating Voltage**	9 VDC to 16 VDC
Rate-of-Turn Accuracy	1° per second	**NMEA 2000® Load Equivalency Number (LEN)**	3
Rate-of-Turn Data Output Update Rate	—10 times per second—NMEA 0183 —Adjustable up to 20 times per second—NMEA 2000®	**Certifications and Standards**	CE, IPX6, RoHS, IEC60945

NMEA 0183 Sentence Structure

$HCHDG ..... Heading, Deviation, and Variation
$HCHDT..... True Heading
$TIROT..... Rate of Turn
$YXXDR..... Transducer Measurements

NMEA 2000® Support PGNs

127250..... Vessel Heading
127251..... Rate of Turn
127257..... Attitude

H2183—NMEA Heading Sensor

44-725-1-01 (Cable and accessories on pg 5) **Net: € CALL**



Pole / Rail-Mount Version

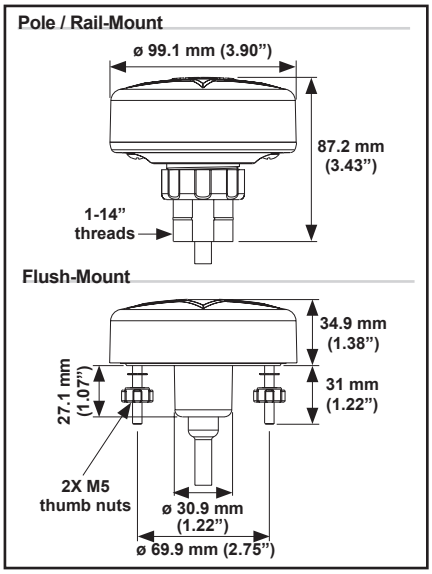


Deck-Mount Version

- Combination GPS and heading sensor
  •Saves installation time and money
- Better than 1° static heading accuracy
- Best-in-class 2° heading accuracy in dynamic conditions
- Three-axis solid-state compass
- Three-axis accelerometer for pitch and roll
- Three-axis rate gyro provides rate-of-turn data and improves heading under dynamic conditions
- Only recreational heading sensor that uses a three-axis rate gyro
- Perfect product for metal hulled boats
- WAAS GPS provides latitude, longitude, COG, SOG, time and date, and magnetic variation
- Optionally available as GPS only (G2183)
- Outputs NMEA 0183 and NMEA 2000®

The Airmar GH2183 combines GPS positioning and highly accurate heading information in one compact antenna. The GH2183 eliminates the need to install a GPS antenna above deck and an electronic compass below deck. Only one installation above the deck is required, saving installation time and money. The waterproof housing protects the internal components—all of which are solid-state (no moving parts). This means the GH2183 can withstand almost any condition that exists in the marine environment.

What sets the GH2183 above the competition is our 2° heading accuracy in dynamically changing conditions including rough seas, hard turns, and steep heeling. Airmar's unique dynamic motion correction software is the key difference, allowing the GH2183 to maintain 2° of accuracy even if the vessel is pitching and rolling up to 30°. Also unique to the GH2183 is that the three-axis accelerometer and three-axis rate gyro are temperature compensated across the entire operating range, resulting in precise tilt and rate of turn data. The fast 10 Hz update rate, along with best-in-class heading and GPS data, make it the best choice for interfacing with autopilots, chartplotters, navigation software, and radar systems.



Parts & Accessories



Connector Collar:
33-546-01 .....€ CALL



Cable Extension Adaptor:
04-673-01 .....€ CALL

GH2183, G2183—Specifications

Compass Accuracy	—1° RMS when level —2° RMS for pitch and roll angles up to 30° —3° RMS for pitch and roll angles up to 45°	**Pitch and Roll Boat Alignment**	Yes (with software)
Heading Display Resolution	0.1°	**Pitch and Roll Data Output Update Rate**	—10 times per second—NMEA 0183 —Adjustable up to 20 times per second—NMEA 2000®
Settling Time	1 second (adjustable)	**Operating Voltage**	9 VDC to 16 VDC
Heading Data Output Update Rate	—10 times per second—NMEA 0183 —Adjustable up to 20 times per second—NMEA 2000®	**GPS Satellite Tracked**	12-channel (maximum)
Heading Variation	Yes	**WAAS / EGNOS Satellites Tracked**	2-channel (maximum)
Rate-of-Turn Range	0° to 70° per second	**GPS Position Accuracy**	3 m (10') with WAAS (95% of the time, SA off)
Rate-of-Turn Accuracy	1° per second	**GPS-Fix Update Rate**	1 x per second
Rate-of-Turn Data Output Update Rate	—10 times per second—NMEA 0183 —Adjustable up to 20 times per second—NMEA 2000®	**Cold Start Acquisition**	52 seconds
Pitch and Roll Range	±50°	**Warm Start Acquisition**	37 seconds
Pitch and Roll Accuracy	<1°	**NMEA 2000® Load Equivalency Number (LEN)**	5
Pitch and Roll Display Resolution	0.1°	**Certifications and Standards**	CE, IPX6, RoHS, IEC60945

NMEA 0183 Sentence Structure

$GPDTM..... Datum Reference
$GPGGA..... GPS Fix Data
$GPGLL..... Geographic Position—Latitude & Longitude
$GPGSA..... GNSS DOP and Active Satellite
$GPGSV..... Satellite in View
$GPRMC..... Recommended Minimum GNSS
$GPVTG..... COG and SOG
$GPZDA..... Time and Date
$HCHDG..... Heading, Deviation, and Variation
$HCHDT..... True Heading
$TIROT..... Rate of Turn
$YXXDR..... Transducer Measurements

NMEA 2000® Support PGNs

127250.....Vessel Heading
127251.....Rate of Turn
127257.....Attitude
127258.....Magnetic Variation
129025.....Position, Rapid Update
129026.....COG and SOG, Rapid Update
129029.....GNSS Position Data
129033.....Time and Date
129044.....Datum
129538.....GNSS Control Status
129539.....GNSS DOPs
129540.....GNSS Sats in View
129541.....GPS Almanac Data

GH2183, G2183—NMEA Heading Sensor With GPS

44-750-1-01 GH2183 (Cable and accessories on page 5) **Net: € CALL**

44-710-1-01 G2183 (Cable and accessories on page 5) **Net: € CALL**

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com



Micro-Tee Connectors



Part Number	Connections	Net
33-581-01	Universal male and female	€ CALL

Power-Tee Cables



Part Number	Cable Length	Net
33-566-01	8 m (26')	€ CALL

Termination Resistors



Part Number	Connector	Net
33-579-01	Male	€ CALL
33-579-02	Female	€ CALL

Field-Attachable Connectors



Part Number	Connector	Net
33-578-01	Male	€ CALL
33-578-02	Female	€ CALL

Single-Ended Cordsets



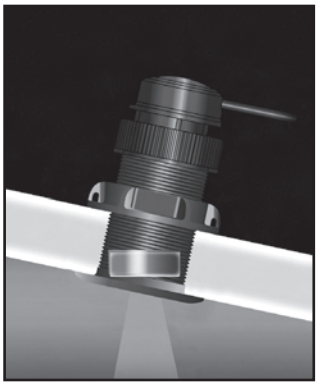
Part Number	Cable Length	Net
33-994-05	2 m (6')	€ CALL
33-994-02	6 m (20')	€ CALL
33-994-06	10 m (33')	€ CALL
33-994-04	30 m (98')	€ CALL

Double-Ended Cordsets



Part Number	Cable Length	Net
33-565-02	1 m (3')	€ CALL
33-565-03	3 m (10')	€ CALL
33-565-04	6 m (20')	€ CALL

DT800 Tilted Element™



The ceramic element is tilted inside the housing, which compensates for your boat's deadrise. This aims the beam straight toward the bottom resulting in strong bottom echo returns and accurate depth readings at any speed.

Smart™ Sensor Features
- NMEA 2000 output:
- 100 W RMS power
- Maximum depth range 180 m (594')
- Minimum depth range 0.5 m (1.6')

- NEW Broadband 235 kHz Ceramic:
  - Enhanced depth performance
  - Excellent high-speed performance
  - Urethane face provides better sensitivity compared to past models
- Retractable insert provides ease of serviceability
- 235 kHz eliminates mutual interference with fishfinders
- All models have depth and temperature
- 6 m (19.8") NMEA 2000 devicenet cable and connector

Frequency: 235 kHz
Cone: 12°

- Fixed 20° tilt for 16° to 24° deadrise
- Fixed 12° tilt for 8° to 15° deadrise
- Fixed 0° tilt for 0° to 8° deadrise
- 51 mm (2") housing
- Blanking plug included
- Accommodates maximum hull thicknesses 54 mm (2 1/8")
- Accommodates minimum hull thicknesses 6.3 mm (0.25")

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

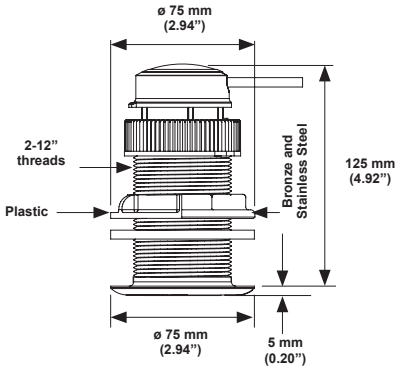
Airmar®—NMEA 2000® DT800 Smart™ Sensors

	Low-Profile 0° Tilt	
44-135-2-02	Plastic, with valve	Net: € CALL
33-100-03 / 2000-0	Bronze housing	Net: € CALL
33-617-01 / 2000-0	Stainless steel housing	Net: € CALL

	Low-Profile 12° Tilt	
44-129-3-02	Plastic, with valve	Net: € CALL
33-100-03 / 2000-12	Bronze housing	Net: € CALL
33-617-01 / 2000-12	Stainless steel housing	Net: € CALL

	Low-Profile 20° Tilt	
44-133-2-02	Plastic, with valve	Net: € CALL
33-100-03 / 2000-20	Bronze housing	Net: € CALL
33-617-01 / 2000-20	Stainless steel housing	Net: € CALL

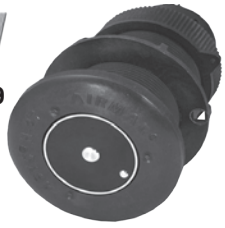
P617V Plastic, B617V Bronze, SS617V Stainless Steel



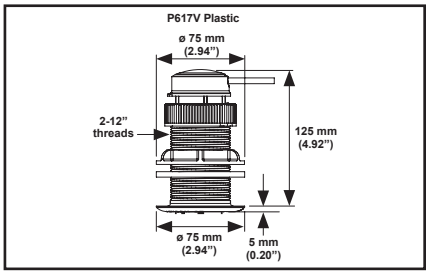
- Also available in B17 and SS577 housings

DST900EM Smart™ Sensor

NEW
Available Q2 2009



- No moving parts
- Depth, Speed, and Temperature
- Speed is calculated using magnetism
- NMEA 2000® devicenet cable



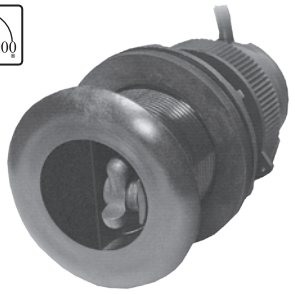
DST900EM—Electro-Magnetic Sensor

Airmar®	TBD	Net: € CALL
	Depth, speed, and temperature Fits: NMEA 2000® network	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

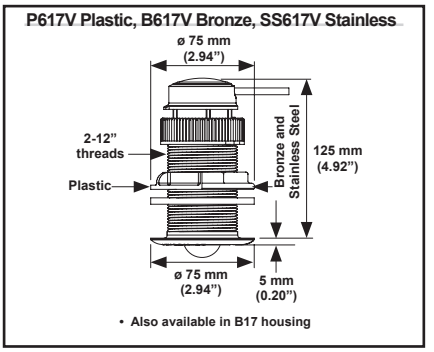
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

DST800 Smart™—NMEA 2000®



- Thru-Hull
- Depth, Speed, and Temperature
- Echo sounding up to 61 m (200')
- Fan shaped transducer beam means no performance loss on hulls with up to 22° of deadrise
- Stable and accurate speed measurement from 0.9 to 52 knots
- Retractable insert
- Many housing options available
- 6 m (19.8") NMEA 2000 cable and connector

Frequency: 235 kHz
Cone: 11° x 46° RMS Power: 80 W



DST800—235 kHz Transducer

Airmar®	44-127-1-02	Net: € CALL
	Plastic housing, Depth, speed, and temp. Fits: NMEA 2000® network	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

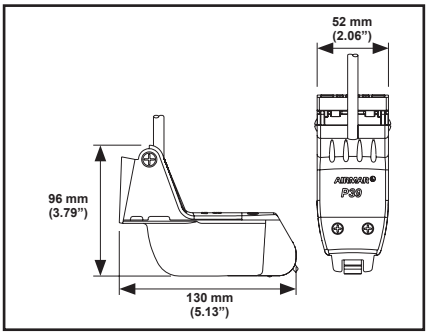
P39 Smart™—NMEA 2000®



- Transom-Mount
- Depth, Speed, and Temperature
- 6 m (19.8") NMEA 2000 cable & connector

Frequency: 235 kHz
Cone: 11° RMS Power: 100 W

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



P39—235 kHz Transducers

Airmar®	44-138-1-02	Net: € CALL
	Depth, speed, and temperature Fits: NMEA 2000® network	

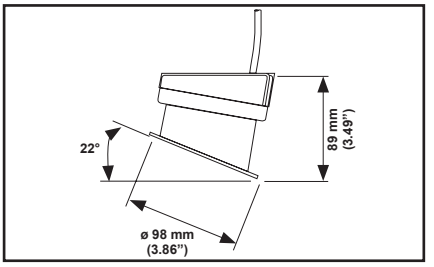
Airmar®	44-137-1-02	Net: € CALL
	Depth and temperature Fits: NMEA 2000® network	

P79 Smart™—NMEA 2000®



- In-hull transducer adjusts to deadrise angles up to 22°
- Depth Only
- No holes to drill, no hull protrusions
- 6 m (19.8") NMEA 2000 cable & connector

Frequency: 235 kHz
Cone: 7°
RMS Power: 100 W



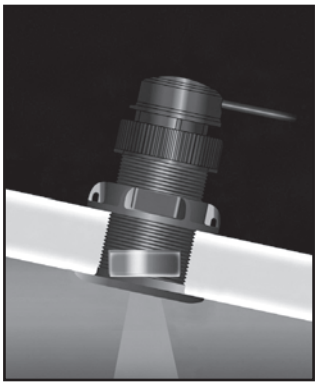
P79—235 kHz Transducer

Airmar®	44-142-1-01	Net: € CALL
	Depth only Fits: NMEA 2000® network	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

www.airmar-emea.com

DT800 Tilted Element™



The ceramic element is tilted inside the housing, which compensates for your boats deadrise. This aims the beam straight toward the bottom resulting in strong bottom echo returns and accurate depth readings at any speed.

Smart™ Sensor Features

- NEW Broadband 235 kHz Ceramic:
  - Broadband ceramic available with 12° and 20° tilt options
  - Enhanced depth performance
  - Maximum range 100 m (330')
  - Minimum range 0.5 m (1.6')
  - Urethane face provides better sensitivity
  - Excellent high-speed performance
- NMEA 0183 output
- All models have depth and temperature
- 235 kHz eliminates interference with fishfinders
- Retractable insert provides ease of serviceability
- Reverse polarity protection
- Supply voltage 8.4 to 31.2 VDC
- Supply current 30 mA maximum

Frequency: 235 kHz
Cone: 12°
(Also available in 170kHz, call for details)

- Fixed 20° tilt for 16° to 24° deadrise
- Fixed 12° tilt for 8° to 15° deadrise
- Fixed 0° tilt for 0° to 8° deadrise
- 10 m (33') cable length standard
- Maximum cable length 100 m (330')
- 51 mm (2") housing
- Blanking plug included
- Accommodates maximum hull thicknesses 54 mm (2 1/8")
- Accommodates minimum hull thicknesses 6.3 mm (0.25")

NMEA 0183 Wiring

- Red—Positive Voltage
- Black—Negative Voltage
- White—NMEA +
- Blue—NMEA -
- Bare—Shield

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

Airmar®—NMEA 0183 DT800 Smart™ Sensors



Low-Profile 0° Tilt		
44-140-1-02	Plastic, with valve	**Net: € CALL**
33-100-03 / 0183-0	Bronze housing	**Net: € CALL**
33-617-01 / 0183-0	Stainless steel housing	**Net: € CALL**

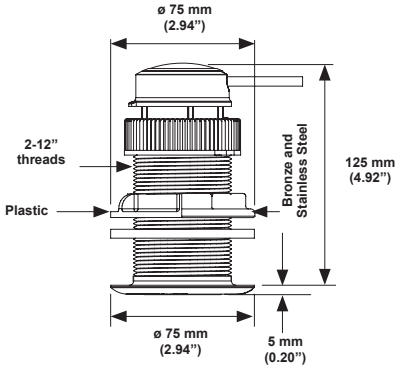


Low-Profile 12° Tilt		
44-139-1-02	Plastic, with valve	**Net: € CALL**
33-100-03 / 0183-12	Bronze housing	**Net: € CALL**
33-617-01 / 0183-12	Stainless steel housing	**Net: € CALL**



Low-Profile 20° Tilt		
44-141-1-02	Plastic, with valve	**Net: € CALL**
33-100-03 / 0183-20	Bronze housing	**Net: € CALL**
33-617-01 / 0183-20	Stainless steel housing	**Net: € CALL**

P617V Plastic, B617V Bronze, SS617V Stainless Steel



- **Also available in B17 and SS577 housings**

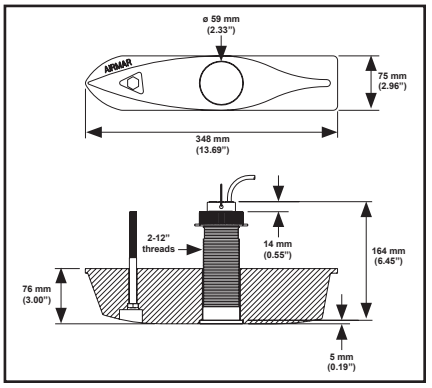
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

B122 Smart™—NMEA 0183



- Provides Depth and Temperature
- Long-stem accommodates thick hulls and steep deadrise vessels
- High-Performance Fairing
- Fairing allows for use with up to 28° deadrise hulls
- 55 mm (2.18") usable shaft length
- 10 m (33') cable length
- Retractable insert

Frequency: 235 kHz
Cone: 12°



B122—235 kHz Transducer

Airmar®	44-085-1-01	Net: € CALL
	No connector Fits: NMEA 0183 instruments	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

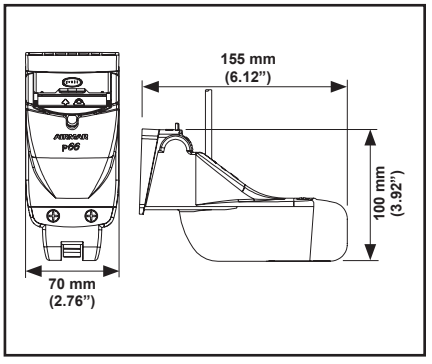
P66 Smart™—NMEA 0183



- Transom-Mount
- Available as Depth and Temperature OR Depth, Speed, and Temperature
- 10 meter cable, no connector

Frequency: 235 kHz
Cone: 7°

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



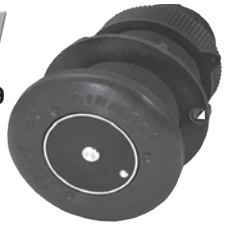
P66—235 kHz Transducers

Airmar®	44-073-1-01	Net: € CALL
	No connector, Depth, speed, and temperature Fits: NMEA 0183 instruments	

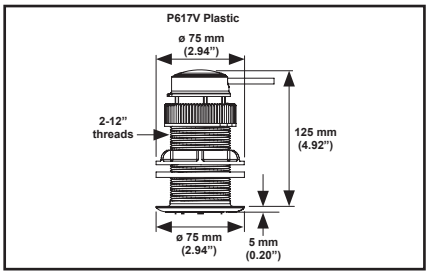
Airmar®	44-074-1-01	Net: € CALL
	No connector, Depth and temperature Fits: NMEA 0183 instruments	

ST900EM Smart™ Sensor

NEW
Available Q2 2009



- No moving parts
- Speed and Temperature
- Speed is calculated using magnetism
- 10 m (33') cable



ST900EM—Electro-Magnetic Sensor

Airmar®	44-073-1-01	Net: € CALL
	No connector, P617V plastic housing Speed and temperature Fits: NMEA 0183 instruments	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

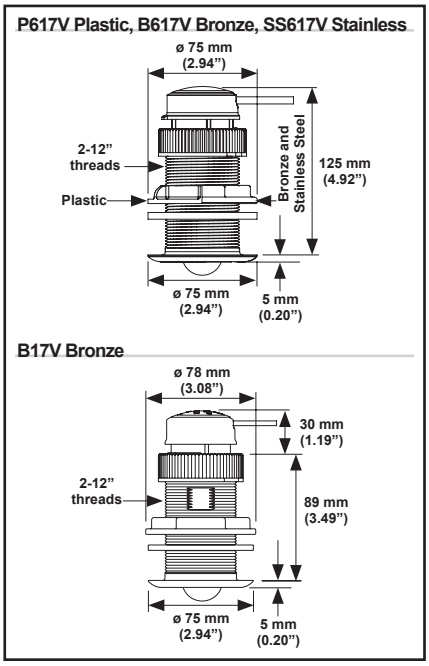
DST800 Smart™—NMEA 0183



- Thru-Hull Depth, Speed, & Temperature
- Echo sounding up to 61 m (200')
- Fan shaped transducer beam means no performance loss on hulls with up to 22° of deadrise
- Stable and accurate speed measurement from 0.9 to 52 knots
- Retractable insert provides ease of serviceability
- Many housing options available
- 10 meter cable, no connector

Frequency: 235 kHz
Cone: 11° x 46°

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



DST800—235 kHz Transducers

Airmar®	44-072-2-51	Net: € CALL
	Bronze housing Fits: NMEA 0183 instruments	

Airmar®	44-072-2-41	Net: € CALL
	Plastic housing Fits: NMEA 0183 instruments	

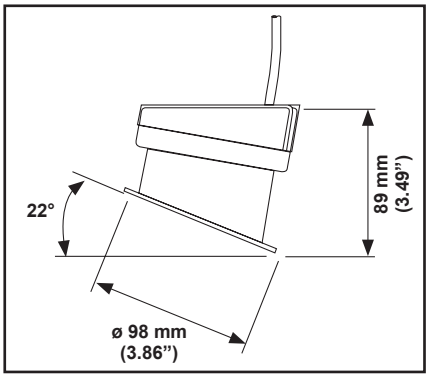
P79 Smart™—NMEA 0183



- In-hull, Depth Only transducer adjusts to deadrise angles up to 22°
- No holes to drill and no hull protrusions
- 10 meter cable, no connector

Frequency: 235 kHz
Cone: 7°

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



P79—235 kHz Transducer

Airmar®	44-047-1-01	Net: € CALL
	No connector, Depth only Fits: NMEA 0183 instruments	

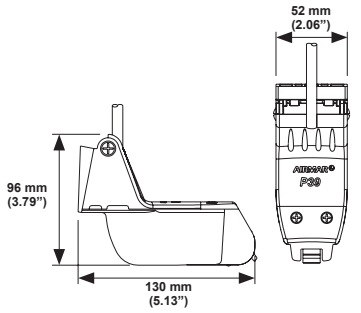
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

P48W—*Good*



100 W Transom-Mount

- Best performing 100 W transom-mount
- Adjustable beam settings
- 100 W power
- 200 kHz operation
- Depth and Temperature
- Designed for boats up to 7 m (23')

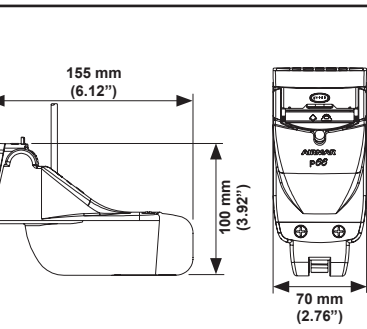


P66—*Better*



600 W Transom-Mount

- Best performing 600 W transom-mount
- Depth, Speed, and Temperature
- 600 W power
- 50/200 kHz operation
- Streamlined shape works well at speeds up to 25 knots (29 MPH)

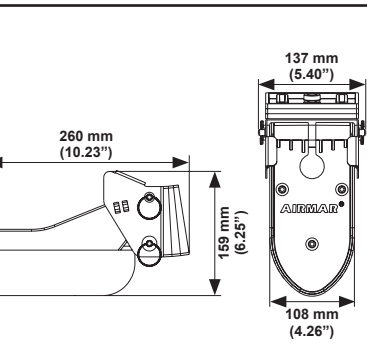


TM258—*Best*



1 kW Transom-Mount

- Elliptical beam covers larger bottom area
- 1 kW power
- 50/200 kHz operation
- Depth and Temperature

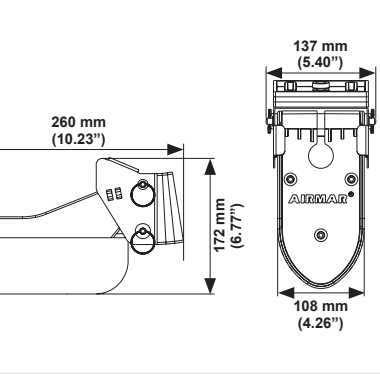


TM270W & TM260—*Superb*



1 kW Transom-Mount

- Top-of-the-line transom-mount
- Broadband Ceramic Technology
- 1 kW power
- 50/200 kHz operation
- Depth and Temperature



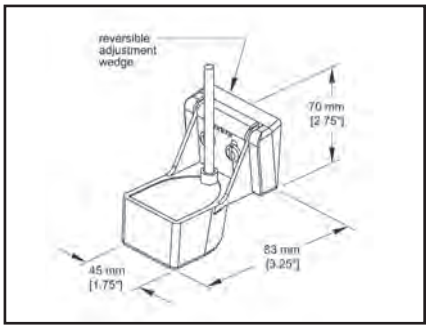
P23



- Transom-Mount
- Depth Only
- Sold with transom bracket
- Replacement bracket—20-154, Net: € CALL
- 7.6 m (25') cable length

Frequency: 200 kHz
Cone: 13° RMS Power: 250 W

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



P23—200 kHz Transducers

Raymarine®	30-924	Net: € CALL
	FISO connector, Depth only, 7.6 m (25') cable Fits: Raymarine instruments	

Generic	31-307-1-41	Net: € CALL
	8-pin Fuji connector, Depth only, 7.6 m (25') cable	

Generic	30-928	Net: € CALL
	3-pin Fuji connector, Depth only, 7.6 m (25') cable	

Garmin®	31-306-1-43	Net: € CALL
	6-pin connector, Depth only, 7.6 m (25') cable Fits: Garmin 200 kHz units	

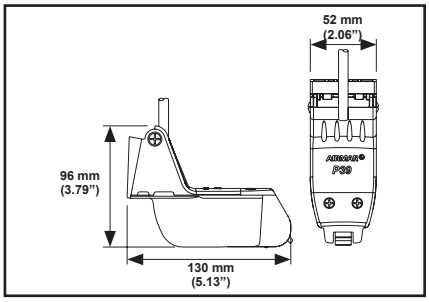
P39



- Transom-Mount
- Depth, Speed, and Temperature
- 6 m (20') NMEA 2000 cable and connector

Frequency: 170 kHz
Cone: 11° RMS Power: 100 W

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



P39—170 kHz Transducers

Generic	31-489-1-01	Net: € CALL
	No connector, Depth, speed, and temperature 10 m (33') cable	

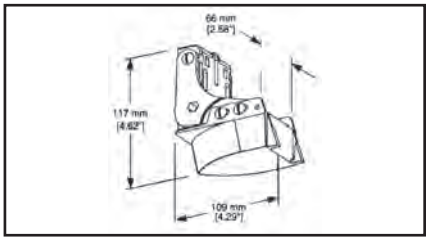
GeoNav®	31-489-3-01	Net: € CALL
	8-pin Connector, Depth and temperature Fits: GeoNav	

P52



- Transom-Mount
- Depth Only

Frequency: 200 kHz
Cone: 8°
RMS Power: 600 W



P52—200 kHz Transducer

Simrad®	31-408-1-22	Net: € CALL
	7-pin connector, Depth only Fits: JRC, Simrad, Old Raymarine	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

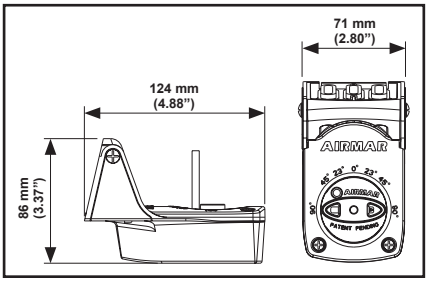
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

P48W Wide-Beam

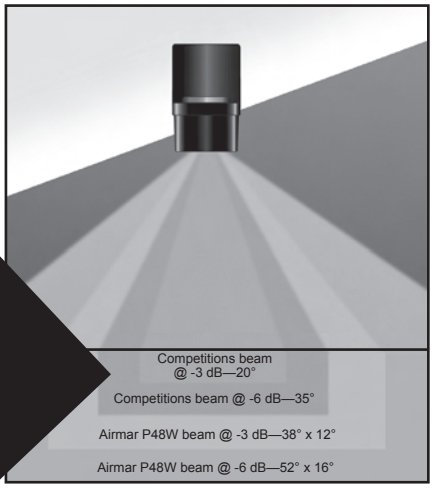


- The widest transom-mount transducer on the market
- Depth and Temperature
- 200 kHz operation
- 100 Watts RMS power (800 Watts Peak-to-Peak)
- Maximum Depths: 122 m (400')
- Transom or trolling-motor mounting
- Boat Size: 5 m to 8 m (18' to 25')
- True 38° x 12° beam that is measured at -3 dB

The new P48W transom-mount is designed for tournament–circuit freshwater bass fishermen. The ultra-wide 38° wide-beam will mark more fish, giving you that tournament winning edge. See things in wide-screen on your fishfinder like a bass attacking your spinner bait as you quickly reel it back to the boat. The highly sensitive ceramic—the heart of the P48 can easily show changes in bottom composition which can help locate spawning beds where defensive bass might be lurking. The P48's innovative design allows you to change the transducer beam direction on the fly based on specific fishing conditions. When the beam is in the default port-starboard position, a wide 38° x 12° beam will mark more fish and bait to the port and starboard of the boat. Turn the beam to the bow-stern position, and the 12° x 38° beam will detect changes in bottom composition as you search along rocky bottom, sandy bottom, or weed beds in search for that ten pounder. Widen the possibilities of both your fishfinder and a tournament win with the P48W.



Frequency: 200 kHz
Cone: 38° x 12°
RMS Power: 100 W



Wider Than The Competition

No matter how you measure transducer beamwidth, the P48 is wider than the competition. Airmar measures transducer beamwidth at -3 dB. Other transducer manufacturers measure their beams at -6 dB and -10 dB, giving the false impression of a wider beam.

P48W—200 kHz Transducer

Raymarine®	31-713-1-01	Net: € CALL
	6-pin connector, Depth and temperature Fits: Raymarine "A" Series: DS400X, 500X, 600X, A65, DSM25. Raymarine #E66062.	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

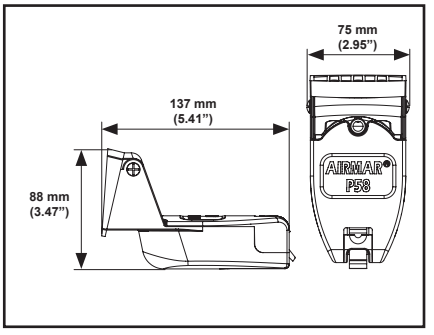
P58



- Transom-Mount
- Depth, Speed, and Temperature
- Sold with transom bracket
- Extension cables (See Transducer Parts and Accessories Section)
- 10 meter (33') cable length

Frequency: 50/200 kHz
Cone: 50 kHz—45°, 200 kHz—11°
RMS Power: 600 W

Maximum Depth Range:
50 kHz—235 m to 353 m (800' to 1,200')
200 kHz—118 m to 206 m (400' to 700')



P58—50/200 kHz Transducer

Black Box	31-492-1-01	Net: € CALL
	8-pin connector, Depth, speed, and temp. Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

P66



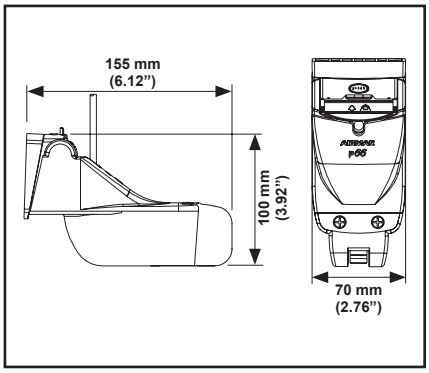
- Best performing 600W transom-mount
- Depth, Speed, and Temperature
- Plastic kick-up bracket
- Square four-blade paddlewheel improves linearity, especially at low speeds
- Fits transom angles between 2° to 20°
- Transducer can be removed from bracket without the use of tools for easy service
- 10 meter (33') cable length standard for most versions

Airmar's P66 is the best performing and most popular transom-mount, TRIDUCER® Multisensor in the market for many reasons. Foremost, the 50 kHz & 200 kHz, oversized, ceramic element produces focused beams highlighting detail in the water column and on the bottom surface.

Because of its hydrodynamic shape, water coming off the transom flows smoothly under the transducer face. This results in accurate, high-speed, depth and speed readings and clear display images. The plastic release bracket lets the P66 rotate up to protect the housing if struck by and object while underway.

Frequency: 50/200 kHz
Cone: 50 kHz—45°, 200 kHz—11°
RMS Power: 600 W

Maximum Depth Range:
50 kHz—235 m to 353 m (800' to 1,200')
200 kHz—118 m to 206 m (400' to 700')



P66—Parts and Accessories



Transom Bracket Kit:
33-479-01 .....€ CALL



Paddlewheel and Carrier
Late Model, Square Blade:
33-346-03 .....€ CALL

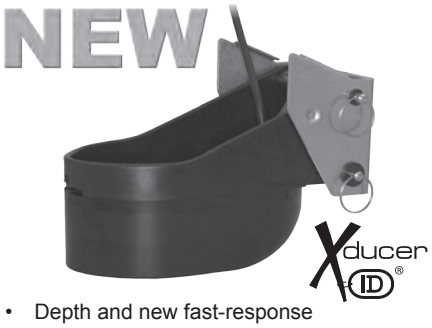
AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

P66—50/200 kHz Transducers—Kit Includes Transducer and 600 kW Matching Cable

Furuno®	**31-657-1-02**	**Net: € CALL**
	10-pin connector, Depth, speed, and temp. Fits: Furuno units with 10-pin connector	
Furuno®, Generic	**31-472-3-02**	**Net: € CALL**
	8-pin Fuji connector, Depth, speed, and temp. Fits: Units with 8-pin Fuji connector	
Furuno®	**31-470-4-03**	**Net: € CALL**
	8-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	
Garmin®	**31-467-1-02**	**Net: € CALL**
	6-pin connector, Depth, speed, and temperature. Garmin #010-10192-00. Fits: Garmin units with 6-pin connector	
Garmin®	**31-470-3-03**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	
JRC®, Simrad®	**31-472-2-03**	**Net: € CALL**
	7-pin connector, Depth, speed, and temp. Fits: JRC FF-50, Simrad EQ-32, 33, 34	
Lowrance®	**31-558-1-01**	**Net: € CALL**
	TCL-5BL connector, Depth, speed, and temperature Fits: Units with blue collar connector	
Raymarine®	**31-468-1-02**	**Net: € CALL**
	Radar connector, Depth, speed, and temperature. Raymarine #E66054. Fits: L755, L760, DSM250, DSM300, & others	
Black Box	**31-680-1-01**	**Net: € CALL**
	8-pin connector, Depth, speed, and temp. Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	
Generic	**TBD**	**Net: € CALL**
	Depth, speed, and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

TM258



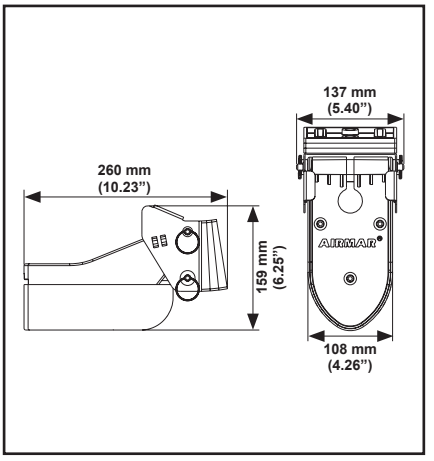
- Depth and new fast-response water-temperature sensor
- Elliptical beam covers larger bottom area
- Bracket kick-up assembly locks in the "up" position and will not damage the transom
- Accommodates transom angles between 2° and 20°
- Urethane housing

The industry's first 1 kW transom-mount transducer has a new high-performance mounting bracket. The sleek, new bracket makes the TM258 easier to install. Additionally, its streamlined shape will give you improved high-speed performance up to 25 knots (29 MPH).

The TM258 will make 600 W sounders respond like a more powerful model. Get 16 times the sensitivity compared with a standard transom-mounted transducer. The TM258 packs four 50 kHz/200 kHz elements to focus narrow beams at both frequencies, so you'll see crisp targets and clear bottom definition.

Frequency: 50/200 kHz
Cone: 50 kHz—15° x 21°, 200 kHz—3° x 5°
RMS Power: 1,000 W

Maximum Depth Range:
50 kHz—441 m to 647 m (1,500' to 2,200')
200 kHz—206 m to 294 m (700' to 1,000')



TM258—Parts and Accessories



Transom Bracket Kit:
33-749-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

TM258—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	**41-192-4-03**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Garmin®	**41-192-2-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

JRC®, Simrad®	**41-192-3-02**	**Net: € CALL**
	7-pin connector, Depth and temperature Fits: JRC FF-50, Simrad EQ-30, 33, 34	

Lowrance®	**41-277-1-01**	**Net: € CALL**
	TCL-5BL connector, Depth and temperature Fits: Units with blue collar connector	

Raymarine®	**41-267-1-02**	**Net: € CALL**
	Depth and temperature Fits: L755, L760, 770, 1250, DSM250, 300, C/E Series	

Black Box	**41-279-1-01**	**Net: € CALL**
	8-pin connector, Depth and temperature Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TM270W Wide-Beam



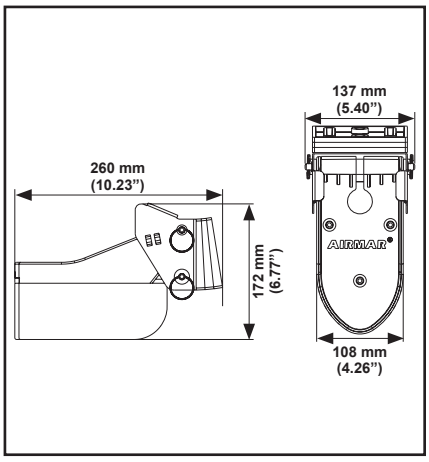
Frequency: 50/200 kHz
Cone: 50 kHz—25°, 200 kHz—25°
RMS Power: 1,000 W

- Top-of-the-line wide-beam transom-mount
- Designed for tuna or marlin fishing
- Identical wide 25° beams at 50 kHz and 200 kHz
- Designed for larger trailered boats 8 m to 11 m (25' to 35') with outboards and I/O's
- Interfaces to any 600 W or 1 kW sounder
- Depth and new fast-response water-temperature sensor
- Kick-up assembly locks in the "up" position and will not damage the transom
- Accommodates transom angles between 2° and 20°
- Urethane housing

The SS270W, 1 kW, twin, wide-beam is now available as a transom-mount for larger trailered boats with outboards and I/O's. The TM270W's high-performance mounting bracket is easy to install and has a streamlined shape that delivers high-speed performance up to 30 knots (35 MPH).

The TM270W gives you four times the beamwidth at 200 kHz than other high-performance transducers. Since the width of the beams are the same at both frequencies, a split-screen fishfinder display will clearly show the same water column and bottom coverage. Fish may also appear as arches. More fish will be marked while cruising, trolling, drifting, or at anchor. Get the wider picture on your sounder with the TM270W.

- **Tuna/Marlin Fishermen—**Detect bait and gamefish in the upper water column that would go unseen with a traditional narrow-beam transducer.
- **Downrigger Fishermen—**Have the ability to see your downrigger ball and the lines attached to it. Get a closer look at a fish strike on your echosounder screen.
- **Jig Fishermen—**Seeing your jigs on the echosounder screen while bottom fishing can help avoid bottom hang-ups. Seeing a tuna attack your jigs on the echosounder display lets you reel up loose lines before it is too late.



Maximum Depth Range:
50 kHz—400 m to 610 m (1,350' to 2,000')
200 kHz—100 m to 180 m (330' to 600')

TM270W—Parts and Accessories



Transom Bracket Kit:
33-749-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

TM270W—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Garmin®	TBD	Net: € CALL
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Furuno®	TBD	Net: € CALL
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Lowrance®	TBD	Net: € CALL
	TCL-5BL connector, Depth and temperature Fits: Units with blue collar connector	

Raymarine®	TBD	Net: € CALL
	Depth and temperature Fits: L755, L760, 770, 1250, DSM250, 300, C/E Series	

Generic	TBD	Net: € CALL
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

TM260

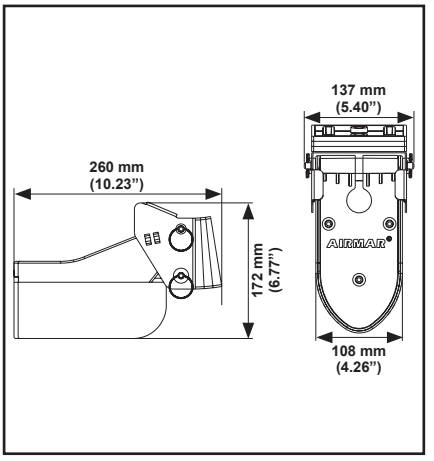


- Top-of-the-line narrow-beam transom-mount
- Designed for bottom fishing
- Wide 19° beam at 50 kHz
- Narrow 6° beam at 200 kHz
- For larger trailered boats 8 m to 11 m (25' to 35') with outboards and I/O's
- Interfaces to any 600 W or 1 kW sounder
- Depth and new fast-response water-temperature sensor
- Kick-up assembly locks in the "up" position and will not damage the transom
- Accommodates transom angles between 2° and 20°
- Urethane housing

The new TM260 takes the legendary performance of the B260 to your vessel's transom. This top-of-the-line broadband transom-mount brings crystal clear imaging to any of today's fishfinders. The large 200 kHz element and the seven-element 50 kHz array are excellent for bait and game fish separation along with detecting ground fish holding tight to the bottom. The TM260's high-performance mounting bracket is easy-to-install and has a streamlined shape that delivers high-speed performance up to 25 knots (29 MPH).

Frequency: 50/200 kHz
Cone: 50 kHz—19°, 200 kHz—6°
RMS Power: 1,000 W

Maximum Depth Range:
50 kHz—529 m to 735 m (1,800' to 2,500')
200 kHz—206 m to 294 m (700' to 1,000')



TM260—Parts and Accessories



Transom Bracket Kit:
33-749-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

TM260—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Garmin®	**TBD**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Furuno®	**TBD**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Lowrance®	**TBD**	**Net: € CALL**
	TCL-5BL connector, Depth and temperature Fits: Units with blue collar connector	

Raymarine®	**TBD**	**Net: € CALL**
	Depth and temperature Fits: L755, L760, 770, 1250, DSM250, 300, C/E Series	

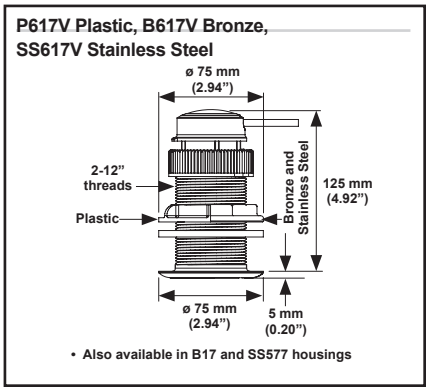
Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

Airmar® DT800



Smart™ Sensor Tilted Element™

- The tilted element compensates for hull deadrise
- Designed for displaying digital depth and temp via NMEA 0183 or 2000
- 235 kHz Broadband operation
- Depth and Temperature
- Fixed 0°, 12°, and 20° tilted versions
- No interference with other echosounders on the vessel
- No fairing to install

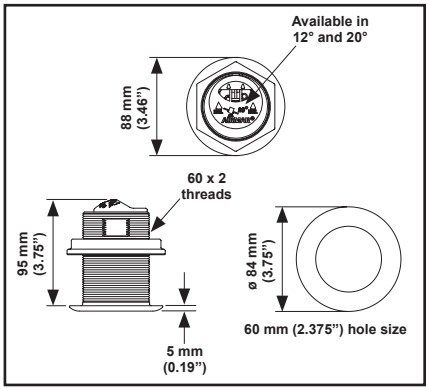


B60—*Good*



600 W Tilted Element™

- The tilted element compensates for hull deadrise
- The ultimate 600 W performer for all types of sport fishing boats
- 600 W power, 50/200 kHz operation
- Depth and Temperature
- Fixed 12° and 20° tilted versions
- No effect on your boats running performance
- No fairing to install
- Available in bronze and stainless steel



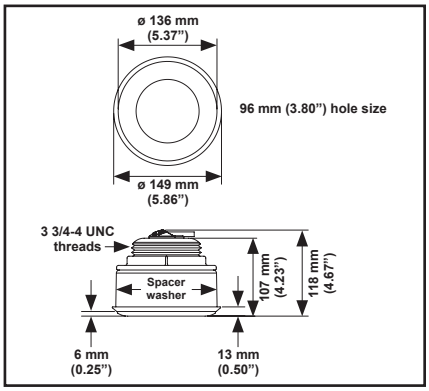
B164—*Better*



NMEA Award Winner

1 kW Tilted Element™

- The tilted element compensates for hull deadrise
- Designed for center console boats
- 1 kW power, 50/200 kHz operation
- Depth and Temperature
- Fixed 0°, 12°, and 20° tilted versions
- Low-profile design leaves no protrusions below the hull
- No fairing to install
- Available in bronze and stainless steel

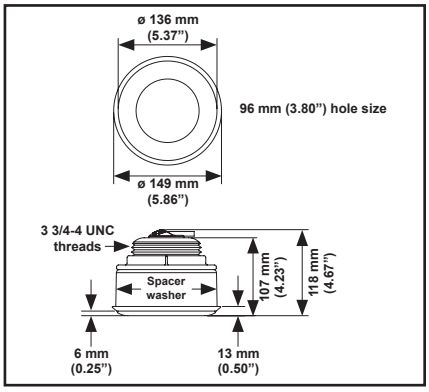


SS264W & SS264N Pairs—*Best*



1 kW Tilted Element™ Pairs

- Wide and narrow-beam transducers for serious fisherman
- Separate transducers for each frequency
- 1 kW power, 50 and 200 kHz operation
- Depth and Temperature
- Fixed 0°, 12°, and 20° tilted versions
- 50 kHz 25° wide-beam transducer
- Optional 200 kHz 25° wide-beam transducer (SS264W pair)
- Optional 200 kHz 6° narrow-beam transducer (SS264N pair)
- Stainless steel housings only



TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

DT800 Tilted Element™



Smart™ Sensor Features
- NMEA 2000 output:
- 100 W RMS power
- Maximum depth range 180 m (594')
- Minimum depth range 0.5 m (1.6')

- NEW Broadband 235 kHz Ceramic:
  - Enhanced depth performance
  - Excellent high-speed performance
  - Urethane face provides better sensitivity
- Retractable insert provides ease of serviceability
- 235 kHz eliminates mutual interference with fishfinders
- All models have depth and temperature
- 6 m (19.8") NMEA 2000 devicenet cable and connector
- Fixed 20° tilt for 16° to 24° deadrise
- Fixed 12° tilt for 8° to 15° deadrise
- Fixed 0° tilt for 0° to 8° deadrise
- 51 mm (2") housing
- Blanking plug included
- Accommodates maximum hull thicknesses 54 mm (2 1/8")
- Accommodates minimum hull thicknesses 6.3 mm (0.25")

Frequency: 235 kHz
Cone: 12°

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

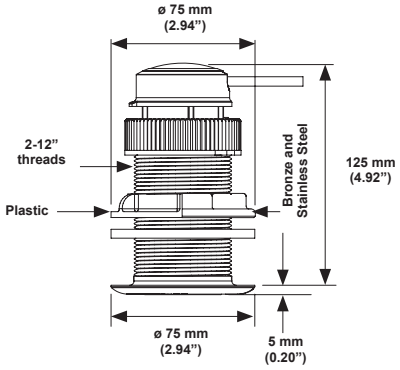
Airmar®—NMEA 2000® DT800 Smart™ Sensors

	Low-Profile 0° Tilt	
44-135-2-02	Plastic, with valve	**Net: € CALL**
33-100-03 / 2000-0	Bronze housing	**Net: € CALL**
33-617-01 / 2000-0	Stainless steel housing	**Net: € CALL**

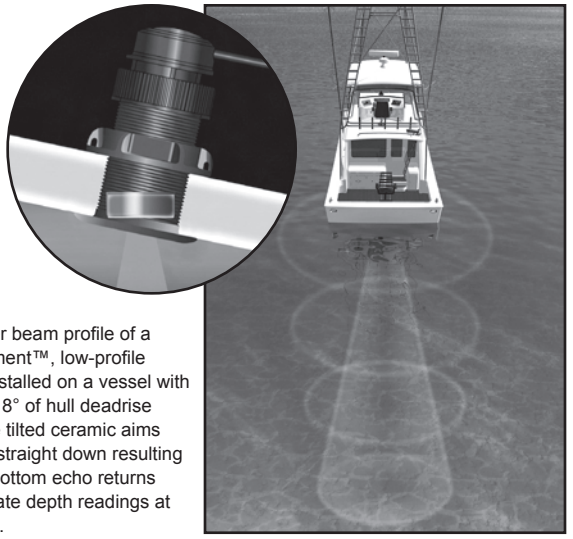
	Low-Profile 12° Tilt	
44-129-3-02	Plastic, with valve	**Net: € CALL**
33-100-03 / 2000-12	Bronze housing	**Net: € CALL**
33-617-01 / 2000-12	Stainless steel housing	**Net: € CALL**

	Low-Profile 20° Tilt	
44-133-2-02	Plastic, with valve	**Net: € CALL**
33-100-03 / 2000-20	Bronze housing	**Net: € CALL**
33-617-01 / 2000-20	Stainless steel housing	**Net: € CALL**

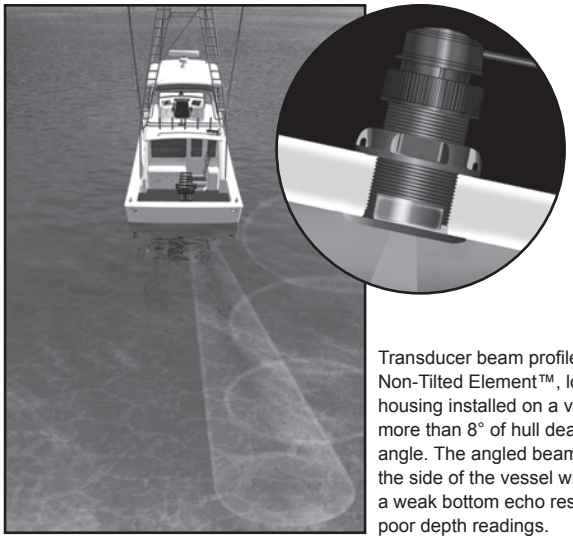
P617V Plastic, B617V Bronze, SS617V Stainless Steel



- Also available in B17 and SS577 housings

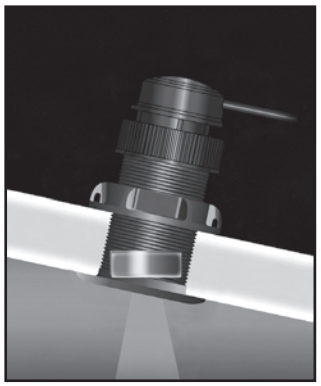


Transducer beam profile of a Tilted Element™, low-profile housing installed on a vessel with more than 8° of hull deadrise angle. The tilted ceramic aims the beam straight down resulting in strong bottom echo returns and accurate depth readings at any speed.



Transducer beam profile of a Non-Tilted Element™, low-profile housing installed on a vessel with more than 8° of hull deadrise angle. The angled beam out to the side of the vessel will return a weak bottom echo resulting in poor depth readings.

DT800 Tilted Element™



The ceramic element is tilted inside the housing, which compensates for your boats deadrise. This aims the beam straight toward the bottom resulting in strong bottom echo returns and accurate depth readings at any speed.

Smart™ Sensor Features

- NEW Broadband 235 kHz Ceramic:
  - Broadband ceramic available with 12° and 20° tilt options
  - Enhanced depth performance
  - Maximum range 100 m (330')
  - Minimum range 0.5 m (1.6')
  - Urethane face provides better sensitivity
  - Excellent high-speed performance
- NMEA 0183 output
- All models have depth and temperature
- 235 kHz eliminates interference with fishfinders
- Retractable insert provides ease of serviceability
- Reverse polarity protection
- Supply voltage 8.4 to 31.2 VDC
- Supply current 30 mA maximum

Frequency: 235 kHz
Cone: 12°

(Also available in 170kHz, call for details)

- Fixed 20° tilt for 16° to 24° deadrise
- Fixed 12° tilt for 8° to 15° deadrise
- Fixed 0° tilt for 0° to 8° deadrise
- 10 m (33') cable length standard
- Maximum cable length 100 m (330')
- 51 mm (2") housing
- Blanking plug included
- Accommodates maximum hull thicknesses 54 mm (2 1/8")
- Accommodates minimum hull thicknesses 6.3 mm (0.25")

NMEA 0183 Wiring

- Red—Positive Voltage
- Black—Negative Voltage
- White—NMEA +
- Blue—NMEA -
- Bare—Shield

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

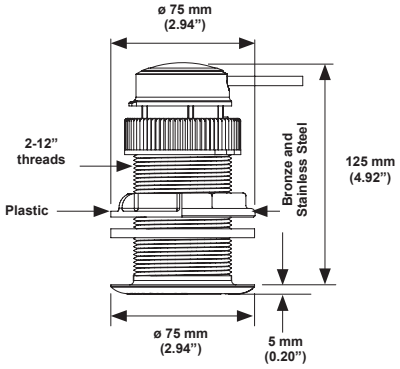
Airmar®—NMEA 0183 DT800 Smart™ Sensors

	Low-Profile 0° Tilt	
44-140-1-02	Plastic, with valve	Net: € CALL
33-100-03 / 0183-0	Bronze housing	Net: € CALL
33-617-01 / 0183-0	Stainless steel housing	Net: € CALL

	Low-Profile 12° Tilt	
44-139-1-02	Plastic, with valve	Net: € CALL
33-100-03 / 0183-12	Bronze housing	Net: € CALL
33-617-01 / 0183-12	Stainless steel housing	Net: € CALL

	Low-Profile 20° Tilt	
44-141-1-02	Plastic, with valve	Net: € CALL
33-100-03 / 0183-20	Bronze housing	Net: € CALL
33-617-01 / 0183-20	Stainless steel housing	Net: € CALL

P617V Plastic, B617V Bronze, SS617V Stainless Steel

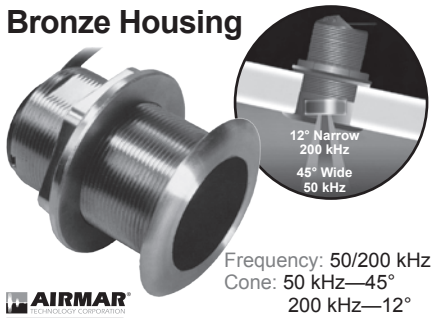


- Also available in B17 and SS577 housings

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

B60

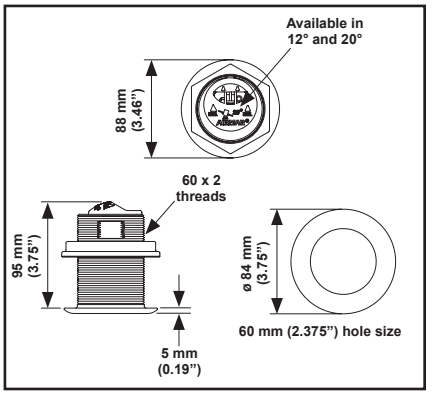
Bronze Housing



Frequency: 50/200 kHz
Cone: 50 kHz—45°
200 kHz—12°
RMS Power: 600 W

- Fixed 20° tilted version for 16° to 24° hull deadrise
- Fixed 12° tilted version for 8° to 15° hull deadrise
- Fixed 0° tilted version for 0° to 7° hull deadrise (P319 plastic, B117 bronze, and SS555 stainless steel)
- Engineered for center-console and trailered boats
- Low-profile protrusion below the hull
- No affect on your boats running performance

Maximum Depth Range:
50 kHz—235 m to 353 m (800' to 1,200')
200 kHz—118 m to 206 m (400' to 700')



B60—50/200 kHz, 20° Tilt Transducers—Kit Includes Transducer and 600 W Matching Cable

Furuno®	**31-556-5-01**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Raymarine®	**31-556-4-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Raymarine "A" Series: DS400X, 500X, 600X, A65, DSM25. Raymarine #E66062.	

Garmin®	**31-556-4-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Raymarine®	**31-556-3-01**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

JRC®, Simrad®	**31-556-1-01**	**Net: € CALL**
	7-pin connector, Depth and temperature Fits: JRC FF-50, Simrad EQ-30, 33, 34	

Black Box	**31-633-1-01**	**Net: € CALL**
	8-pin connector, Depth and temperature Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

Lowrance®	**31-580-1-01**	**Net: € CALL**
	7-pin Blue Lowrance, Depth and temperature Fits: Lowrance units w/ blue collar connector	

Generic	**31-556-2-01**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

B60—50/200 kHz, 12° Tilt Transducers—Kit Includes Transducer and 600 W Matching Cable

Furuno®	**31-554-5-01**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Raymarine®	**31-554-3-01**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Garmin®	**31-554-4-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Black Box	**31-632-1-01**	**Net: € CALL**
	8-pin connector, Depth and temperature Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

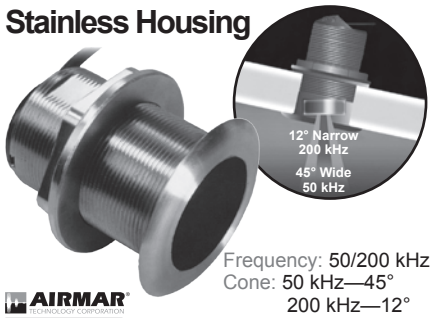
Lowrance®	**31-578-1-01**	**Net: € CALL**
	7-pin Blue Lowrance, Depth and temperature Fits: Lowrance units w/ blue collar connector	

Raymarine®	**31-554-4-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Raymarine "A" Series: DS400X, 500X, 600X, A65, DSM25. Raymarine #E66062.	

Generic	**31-554-2-01**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

SS60

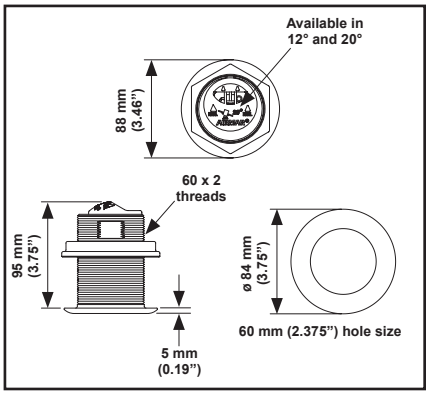
Stainless Housing



Frequency: 50/200 kHz
Cone: 50 kHz—45°
200 kHz—12°
RMS Power: 600 W

- Fixed 20° tilted version for 16° to 24° hull deadrise
- Fixed 12° tilted version for 8° to 15° hull deadrise
- Fixed 0° tilted version for 0° to 7° hull deadrise (P319 plastic, B117 bronze, and SS555 stainless steel)
- Engineered for center-console and trailered boats
- Low-profile protrusion below the hull
- No affect on your boats running performance

Maximum Depth Range:
50 kHz—235 m to 353 m (800' to 1,200')
200 kHz—118 m to 206 m (400' to 700')



SS60—50/200 kHz Transducers—Kit Includes Transducer and 600 W Matching Cable

Generic	31-704-1-01 (20° Tilt)	Net: € CALL
	Depth and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

Generic	31-703-1-01 (12° Tilt)	Net: € CALL
	Depth and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

B164

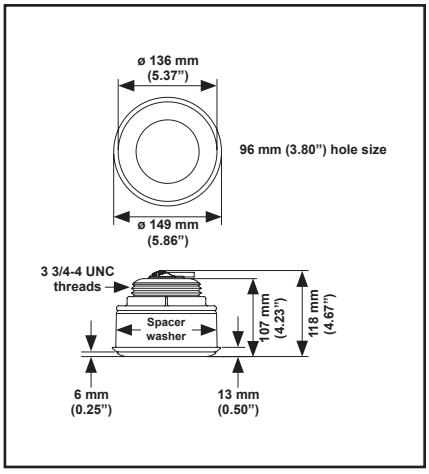
Bronze Housing



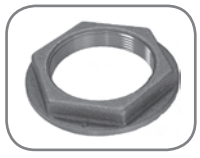
- Fixed 20° tilted version for 16° to 24° hull deadrise
- Fixed 12° tilted version for 8° to 15° hull deadrise
- Fixed 0° tilted version for 0° to 7° hull deadrise
- 1 kW power, 50/200 kHz multiple-ceramics
- Engineered for center-console and trailered boats
- Low-profile protrusion below the hull
- No affect on your boats running performance
- Interfaces to any 600 W or 1 kW echosounder
- Bronze or stainless steel housings available
- Depth and new fast-response water-temperature sensor

Frequency: 50/200 kHz
Cone: 50 kHz—22° x 20°, 200 kHz— 6° x 6°
RMS Power: 1,000 W

Maximum Depth Range:
50 kHz—353 m to 529 m (1,200' to 1,800')
200 kHz—152 m to 235 m (500' to 800')



B164—Parts and Accessories



Hull Nut:
02-133-01 .....€ CALL
(Bronze)



Spacer Washer:
20-618-02 .....€ CALL

B164—50/200 kHz, 20° Tilt Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	41-320-2-02	Net: € CALL
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Navman® / Northstar®	41-320-3-02	Net: € CALL
	6-pin connector, Depth and temperature Fits: Navman 6-pin, Northstar M Series	

Garmin®	41-320-1-02	Net: € CALL
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Northstar®	41-320-4-02	Net: € CALL
	Depth and temperature Fits: 490S, 491 (1 kW), Nobeltec	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

B164—50/200 kHz, 20° Tilt Transducers (cont'd)—Kit Includes Transducer and 1 kW Matching Cable

JRC®, Simrad®	**41-320-5-02**	**Net: € CALL**
	7-pin connector, Depth and temperature Fits: JRC FF-50, Simrad EQ-32, 33, 34	

Raymarine®	**41-321-1-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Lowrance®	**41-329-1-02**	**Net: € CALL**
	7-pin Blue Lowrance, Depth and temperature Fits: Units with blue collar connector	

Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

B164—50/200 kHz, 12° Tilt Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	**41-322-2-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Navman® / Northstar®	**41-322-3-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Navman 6-pin, Northstar M Series	

Garmin®	**41-322-1-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

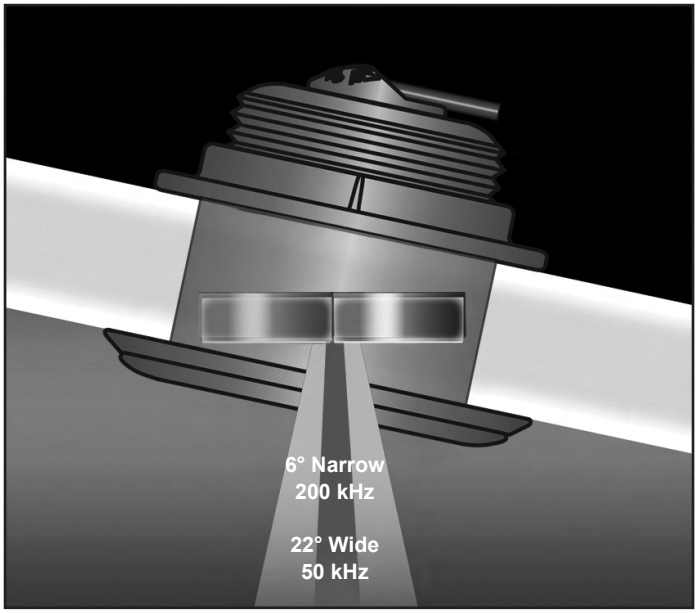
Northstar®	**41-322-4-02**	**Net: € CALL**
	Depth and temperature Fits: 490S, 491 (1 kW), Nobeltec	

JRC®, Simrad®	**41-322-5-01**	**Net: € CALL**
	7-pin connector, Depth and temperature Fits: JRC FF-50, Simrad EQ-32, 33, 34	

Raymarine®	**41-323-1-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Lowrance®	**41-333-1-02**	**Net: € CALL**
	7-pin Blue Lowrance, Depth and temperature Fits: Units with blue collar connector	

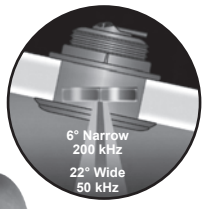
Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	



The ceramic elements are tilted inside the housing, which compensates for your boats deadrise. This aims the beam straight toward the bottom, resulting in stronger echo returns and more accurate depth readings.

SS164

Stainless Steel Housing





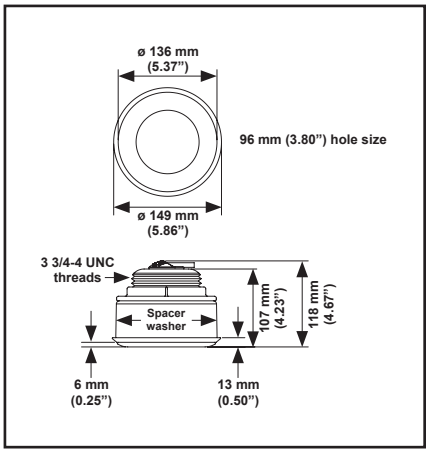
- Fixed 20° tilted version for 16° to 24° hull deadrise
- Fixed 12° tilted version for 8° to 15° hull deadrise
- Fixed 0° tilted version for 0° to 7° hull deadrise
- 1 kW power, 50/200 kHz multiple-ceramics
- Engineered for center-console and trailered boats
- Low-profile protrusion below the hull
- No affect on your boats running performance
- Interfaces to any 600 W or 1 kW echosounder
- Bronze or stainless steel housings available
- Depth and new fast-response water-temperature sensor

Airmar has taken our innovative Tilted Element™ technology to a higher power. The 1kW, SS164 transducer is perfect for fast, trailered, tournament, sportfishing vessels that cannot install a thru-hull with a High-Performance Fairing. The low-profile bronze housing protrudes less than 6.35 mm (0.25") outside your hull, which results in excellent performance at speeds up to 30 knots (34 MPH).

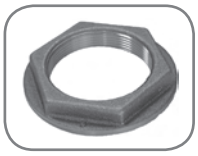
The ceramic arrays are tilted inside the housing giving you a perfect vertical beam with maximum energy on what is directly below your boat. Take your fishfinder to the next power with Airmar's 1kW Tilted Element Transducers.

Frequency: 50/200 kHz
Cone: 50 kHz—22° x 20°, 200 kHz— 6° x 6°
RMS Power: 1,000 W

Maximum Depth Range:
50 kHz—353 m to 529 m (1,200' to 1,800')
200 kHz—152 m to 235 m (500' to 800')



SS164—Parts and Accessories



Hull Nut:
02-133-01 .....€ CALL
(Stainless Steel)



Spacer Washer:
20-618-02 .....€ CALL

AIRMAR®
TECHNOLOGY CORPORATION
Sensing Technology

SS164—50/200 kHz, 20° Tilt Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	**41-314-2-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Garmin®	**41-314-1-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Navman® / Northstar®	**41-314-3-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Navman 6-pin, Northstar M Series	

Northstar®	**41-314-4-02**	**Net: € CALL**
	Depth and temperature Fits: 490S, 491 (1 kW), Nobeltec	

Raymarine®	**41-315-1-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

SS164—50/200 kHz, 12° Tilt Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	**41-316-2-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

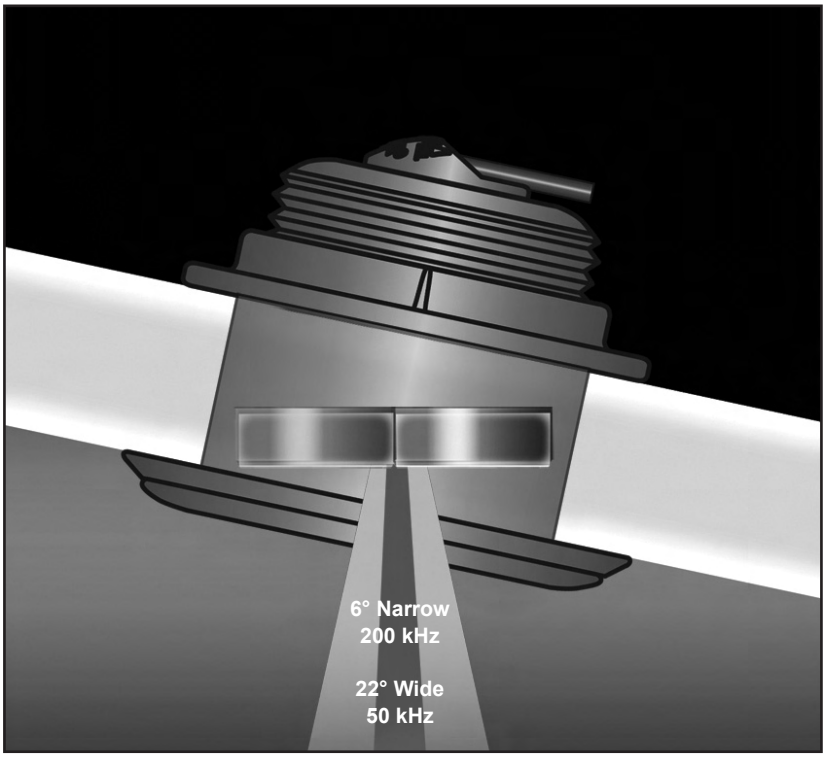
Garmin®	**41-316-1-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Navman® / Northstar®	**41-316-3-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Navman 6-pin, Northstar M Series	

Northstar®	**41-316-4-02**	**Net: € CALL**
	Depth and temperature Fits: 490S, 491 (1 kW), Nobeltec	

Raymarine®	**41-317-1-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

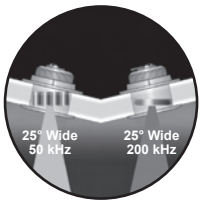
Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	



The ceramic elements are tilted inside the housing, which compensates for your boats deadrise. This aims the beam straight toward the bottom, resulting in stronger echo returns and more accurate depth readings.

SS264W Tilted Element™ Pairs

Stainless Steel Housings



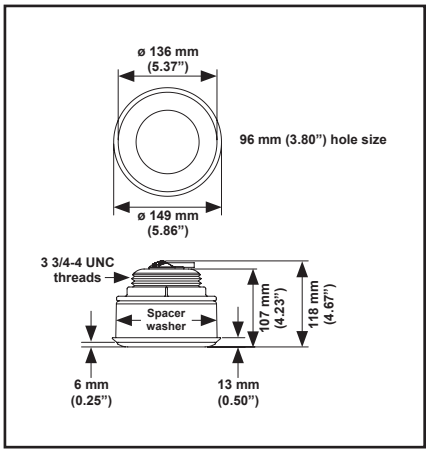


- Fixed 20° tilted version for 16° to 24° hull deadrise
- Fixed 12° tilted version for 8° to 15° hull deadrise
- Fixed 0° tilted version for 0° to 7° hull deadrise
- Consists of two transducers:
  - •SS264 50 kHz wide-beam
  - •SS264 200 kHz wide-beam
- Provides 4 times the beamwidth at 200 kHz than other high-performance transducers
- Identical wide 25° beamwidths at 50 kHz and 200 kHz
- Transducers can be purchased as a pair for dual-frequency operation or individually as single-frequency units
- No affect on your boats running performance
- Low-profile protrusion below the hull
- Depth and new fast-response water-temperature sensor

Airmar has taken the SS270W wide-beam thru-hull and split it into a pair of Tilted Element™ transducers. One transducer handles 50 kHz while the other operates at 200 kHz. Now you can get all of the performance of the SS270W without a fairing. The low-profile design is perfect for fast, trailered, tournament, and sportfishing boats—especially center consoles.

This transducer pair gives you four times the beamwidth at 200 kHz than other high-performance transducers. Since the width of the beams are the same at both frequencies, a split-screen fishfinder display will clearly show the same water column and bottom coverage. Fish may also appear as arches. More fish will be marked while cruising, trolling, drifting, or at anchor. Get the wider picture on your sounder with the SS264W pair.

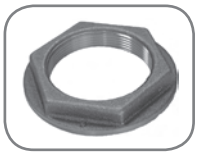
- **Tuna/Marlin Fishermen—**Detect bait and gamefish in the upper water column that would go unseen with a traditional narrow-beam transducer.
- **Downrigger Fishermen—**Have the ability to see your downrigger ball and the lines attached to it. Get a closer look at a fish strike on your echosounder screen.
- **Jig Fishermen—**Seeing your jigs on the echosounder screen while bottom fishing can help avoid bottom hang-ups. Seeing a tuna attack your jigs on the echosounder display lets you reel up loose lines before it is too late.



Frequency: 50 kHz wide-beam
Cone: 25°
RMS Power: 1,000 W

Maximum Depth Range:
50 kHz—400 m to 610 m (1,350' to 2,000')

SS264W—Parts and Accessories



Hull Nut:
02-133-01 .....€ CALL
(Stainless Steel)



Spacer Washer:
20-618-02 .....€ CALL

AIRMAR®
TECHNOLOGY CORPORATION
Sensing Technology

SS264W—50 kHz, 20° Tilt, 25° Wide-Beam Transducers

Furuno®	41-349-1-02	Net: € CALL
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Raymarine®	41-354-1-02	Net: € CALL
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Garmin®	41-357-1-02	Net: € CALL
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Generic	TBD	Net: € CALL
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

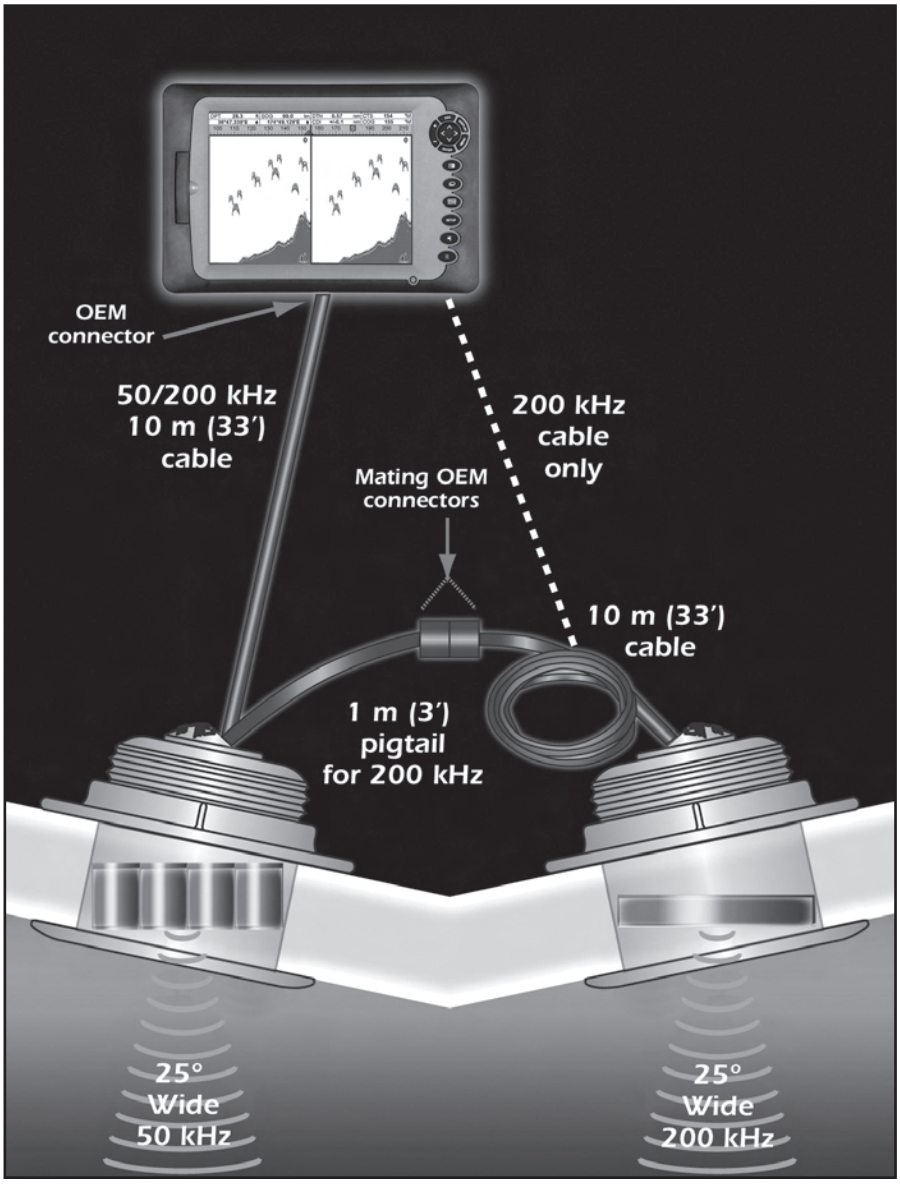
SS264W—50 kHz, 12° Tilt, 25° Wide-Beam Transducers

Furuno®	**41-360-1-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Raymarine®	**41-363-1-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

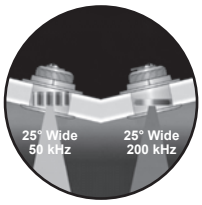
Garmin®	**41-367-1-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	



SS264W Tilted Element™ Pairs

Stainless Steel Housings



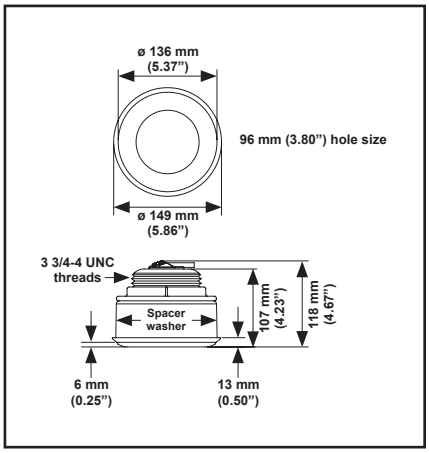


- Fixed 20° tilted version for 16° to 24° hull deadrise
- Fixed 12° tilted version for 8° to 15° hull deadrise
- Fixed 0° tilted version for 0° to 7° hull deadrise
- Consists of two transducers:
  - •SS264 50 kHz wide-beam
  - •SS264 200 kHz wide-beam
- Provides 4 times the beamwidth at 200 kHz than other high-performance transducers
- Identical wide 25° beamwidths at 50 kHz and 200 kHz
- Transducers can be purchased as a pair for dual-frequency operation or individually as single-frequency units
- No affect on your boats running performance
- Low-profile protrusion below the hull
- Depth and new fast-response water-temperature sensor

Airmar has taken the SS270W wide-beam thru-hull and split it into a pair of Tilted Element™ transducers. One transducer handles 50 kHz while the other operates at 200 kHz. Now you can get all of the performance of the SS270W without a fairing. The low-profile design is perfect for fast, trailered, tournament, and sportfishing boats—especially center consoles.

This transducer pair gives you four times the beamwidth at 200 kHz than other high-performance transducers. Since the width of the beams are the same at both frequencies, a split-screen fishfinder display will clearly show the same water column and bottom coverage. Fish may also appear as arches. More fish will be marked while cruising, trolling, drifting, or at anchor. Get the wider picture on your sounder with the SS264W pair.

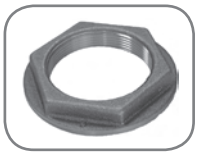
- **Tuna/Marlin Fishermen—**Detect bait and gamefish in the upper water column that would go unseen with a traditional narrow-beam transducer.
- **Downrigger Fishermen—**Have the ability to see your downrigger ball and the lines attached to it. Get a closer look at a fish strike on your echosounder screen.
- **Jig Fishermen—**Seeing your jigs on the echosounder screen while bottom fishing can help avoid bottom hang-ups. Seeing a tuna attack your jigs on the echosounder display lets you reel up loose lines before it is too late.



Frequency: 200 kHz wide-beam
Cone: 25°
RMS Power: 1,000 W

Maximum Depth Range:
200 kHz—100 m to 180 m (330' to 600')

SS264W—Parts and Accessories



Hull Nut:
02-133-01 .....€ CALL
(Stainless Steel)



Spacer Washer:
20-618-02 .....€ CALL

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Sensing Technology

SS264W—200 kHz, 20° Tilt, 25° Wide-Beam Transducers

Furuno®	41-346-1-02	Net: € CALL
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Raymarine®	41-352-1-02	Net: € CALL
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Garmin®	41-355-1-02	Net: € CALL
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Generic	TBD	Net: € CALL
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

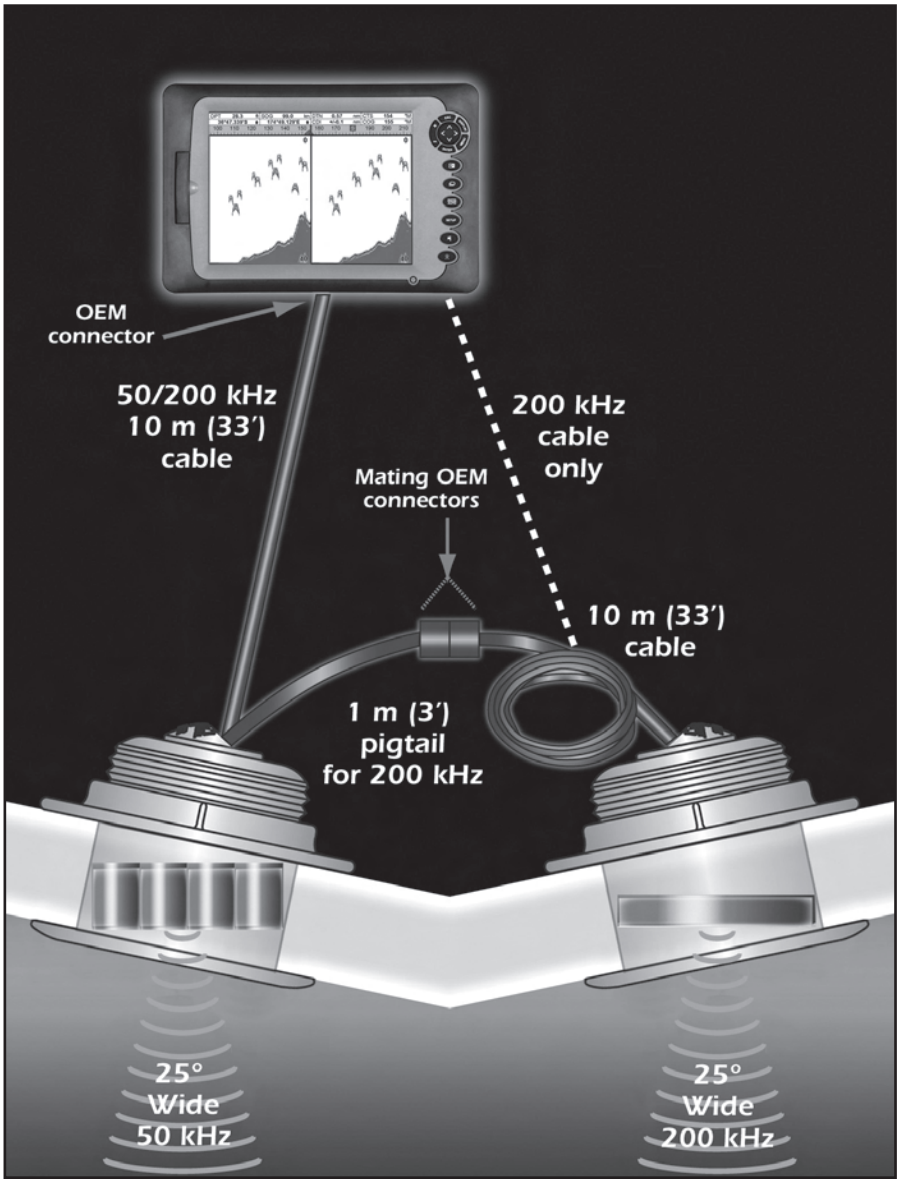
SS264W—200 kHz, 12° Tilt, 25° Wide-Beam Transducers

Furuno®	41-358-1-02	Net: € CALL
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Raymarine®	41-361-1-02	Net: € CALL
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Garmin®	41-365-1-02	Net: € CALL
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

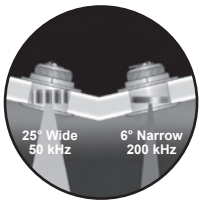
Generic	TBD	Net: € CALL
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	



www.airmar-emea.com

SS264N Tilted Element™ Pairs

Stainless Steel Housings





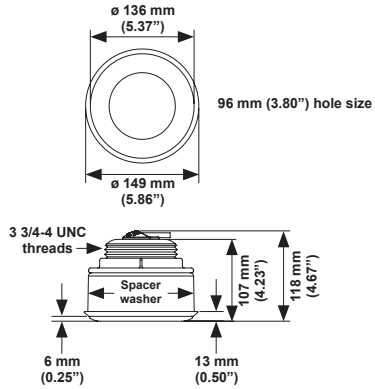
- Fixed 20° tilted version for 16° to 24° hull deadrise
- Fixed 12° tilted version for 8° to 15° hull deadrise
- Fixed 0° tilted version for 0° to 7° hull deadrise
- Consists of two transducers:
  - •SS264 50 kHz wide-beam
  - •SS264 200 kHz narrow-beam
- Low-profile protrusion below the hull
- Transducers can be purchased as a pair for dual-frequency operation or individually as single-frequency units
- No affect on your boats running performance
- Wide 25° beamwidth 50 kHz transducer
- Narrow 6° beamwidth 200 kHz transducer
- Depth and new fast-response water-temperature sensor

Legendary B260 1 kW performance is now available for fast sportfishing boats. No fairing required! Airmar has taken the proven B260 thru-hull and split it apart into a pair of tilted-element transducers. The ceramic elements have been tilted to offset for the deadrise of your boat's hull. Called the SS264N Pair, these transducers are perfect for fast, center-console, and trailered sportfishing boats, or any vessel that cannot have a thru-hull with a High-Performance Fairing.

The narrow-beam broadband 200 kHz transducer will give you excellent resolution and crisp image detail needed for bottom fishing. The low ringing of this transducer is perfect for finding fish holding tight to the bottom and other structure. The seven-element 50 kHz transducer is the same as in the SS264W and is best for deep-water sounding down to 914 m (3,000').

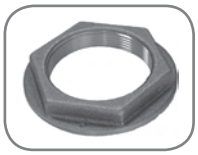
Frequency: 200 kHz narrow-beam
Cone: 6°
RMS Power: 1,000 W

Maximum Depth Range:
200 kHz—206 m to 294 m (700' to 1,000')



AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

SS264N—Parts and Accessories



Hull Nut:
02-133-01 .....€ CALL
(Stainless Steel)



Spacer Washer:
20-618-02 .....€ CALL

SS264N—200 kHz, 20° Tilt, 6° Narrow-Beam Transducers

Furuno®	41-348-1-02	Net: € CALL
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Raymarine®	41-353-1-02	Net: € CALL
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Garmin®	41-356-1-02	Net: € CALL
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Generic	TBD	Net: € CALL
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

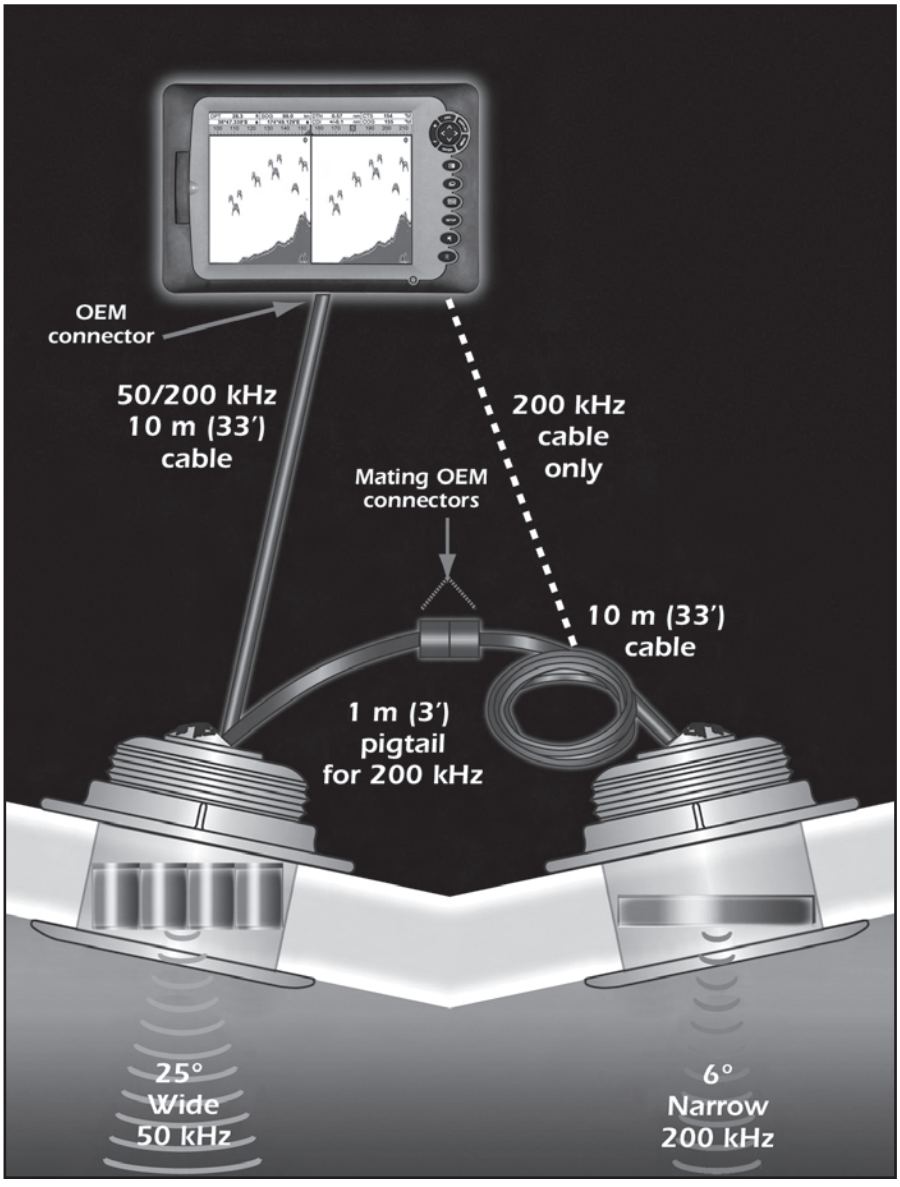
SS264N—200 kHz, 12° Tilt, 6° Narrow-Beam Transducers

Furuno®	**41-359-1-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Raymarine®	**41-362-1-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Garmin®	**41-366-1-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

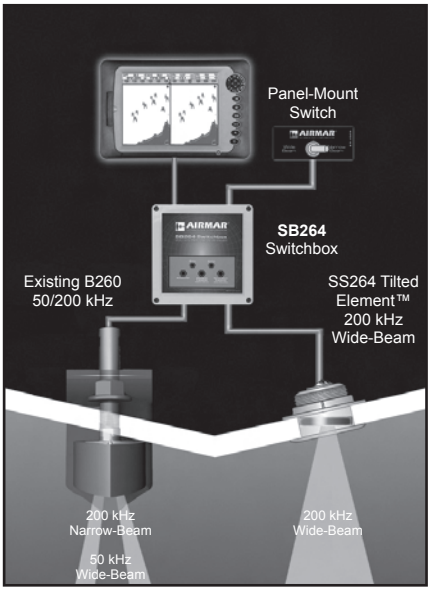


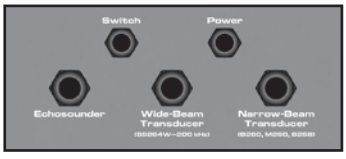
SB264

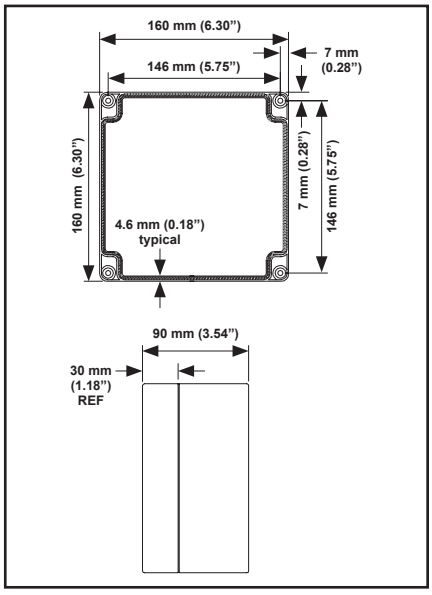


- Use when adding the SS264 200 kHz wide-beam with an existing 1 kW transducer
- Allows you to switch between narrow or wide-beam 200 kHz frequencies
- Panel-mount waterproof switch
- For use with all 1 kW fishfinders
- Operating Voltage: 9 VDC to 30 VDC

NEW







AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

SB264—1 kW Switchbox

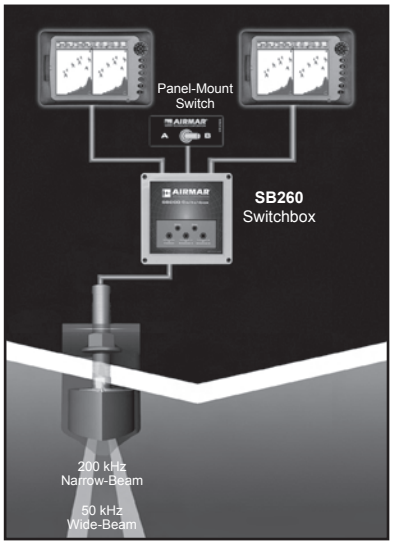
33-582-01 | **Net: € CALL**

SB260

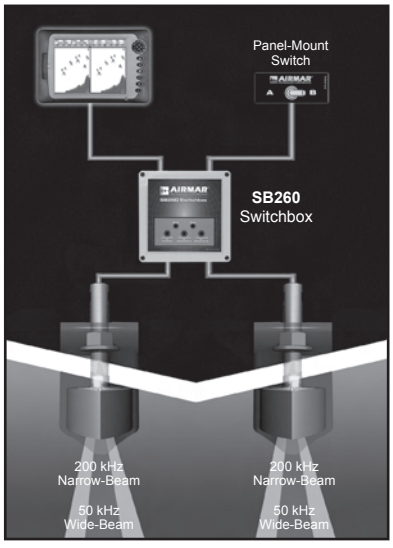


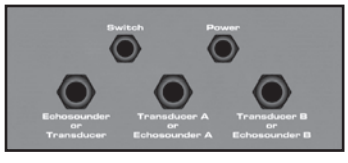
- Multi-functional switchbox:
  - Switches 2 transducers with 1 fishfinder
    or
  - Switches 2 fishfinders with 1 transducer
- Panel-mount waterproof switch
- For use with all 1 kW fishfinders
- Operating Voltage: 9 VDC to 30 VDC

NEW



OR





AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

SB260—1 kW Switchbox

33-587-01 | **Net: € CALL**

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

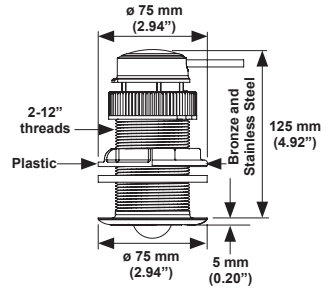
DST800



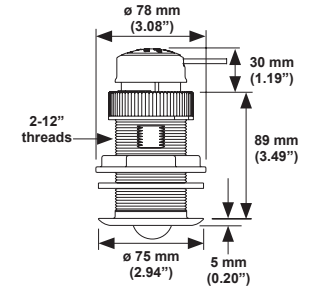
- Thru-Hull Depth, Speed, & Temperature
- Echo sounding up to 61 m (200')
- Fan shaped transducer beam means no performance loss on hulls with up to 22° of deadrise
- Stable and accurate speed measurement from 0.9 knots to 52 knots (1 MPH to 60 MPH)
- Retractable insert provides ease of serviceability
- Many housing options available
- 10 m (33') cable, no connector

Frequency: 170 kHz and 200 kHz
Cone: 11° x 46°

P617V Plastic, B617V Bronze, SS617V Stainless



B17V Bronze



DST800—170 kHz Transducer

GeoNav®	35-006-3-41	Net: € CALL
	8-pin connector, Depth, speed, and temp., P17 plastic housing Fits: GeoNav	

DST800—200 kHz Transducers

Generic N/C	35-002-3-41	Net: € CALL
	No connector, Depth, speed, and temp., P17 plastic housing Fits: Bare wire applications	

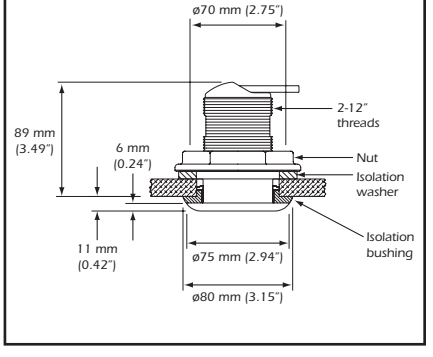
Raymarine®	35-004-1-41	Net: € CALL
	Spade connector, Depth, speed, and temp., P17 plastic housing Fits: Autohelm ST60, 40, 30, Raydata, QT206	

SS555



- Stainless steel housing
- Depth Only
- Usable shaft length: ~63.5 mm (2.5")
- Includes isolation bushing
- 10 m (33') cable length

Frequency: 50/200 kHz
Cone: 45° / 12°
RMS Power: 600 W



SS555—50/200 kHz Transducer—Kit Includes Transducer and 600 W Matching Cable

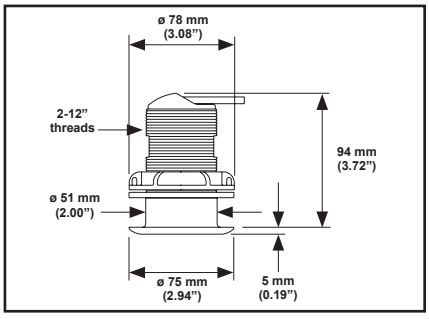
Generic	31-811-4-02	Net: € CALL
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

P319



- Plastic housing
- Depth Only
- Usable shaft length: ~63.5 mm (2.5”)
- Replacement nut — 04-004, Net: € CALL
- Replacement washer— 09-452, Net: € CALL
- 10 m (33’) cable length

Frequency: 50/200 kHz
Cone: 50 kHz—45° , 200 kHz—12°
RMS Power: 600 W



P319—50/200 kHz Transducers—Kit Includes Transducer and 600 W Matching Cable

Furuno®	**31-168-2-03**	**Net: € CALL**
	10-pin connector, Depth only Fits: Furuno units with 10-pin connector	

Furuno®, Generic	**31-168-4-02**	**Net: € CALL**
	8-pin Fuji connector, Depth only Fits: Older units with 8-pin connector	

Garmin®	**31-168-6-01**	**Net: € CALL**
	6-pin connector, Depth only Fits: Garmin units with 6-pin connector	

JRC®, Simrad®	**31-168-3-01**	**Net: € CALL**
	7-pin connector, Depth only Fits: JRC FF-50, Simrad EQ32, 33, 34	

Lowrance®	**31-559-2-01**	**Net: € CALL**
	7-pin Blue Lowrance, Depth only Fits: Units with blue collar connector	

Navman® / Northstar®	**31-168-10-02**	**Net: € CALL**
	6-pin connector, Depth only Fits: Navman 6-pin, Northstar M Series	

Raymarine®	**31-323-5-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Raymarine®	**31-323-8-02**	**Net: € CALL**
	6-pin connector, Depth only Fits: Raymarine “A” Series, DS400X, 500X, 600X, A65, DSM25. Raymarine #E66062.	

Black Box	**31-495-2-01**	**Net: € CALL**
	8-pin connector, Depth only Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

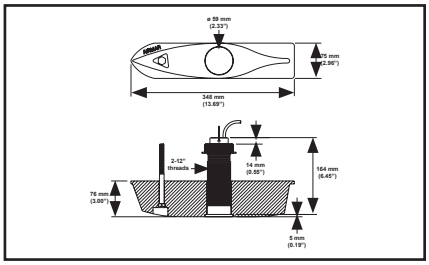
Generic	**31-168-8-02**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

B122



Frequency: 200 kHz
Cone: 12°
RMS Power: 250 W

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Sensing Technology

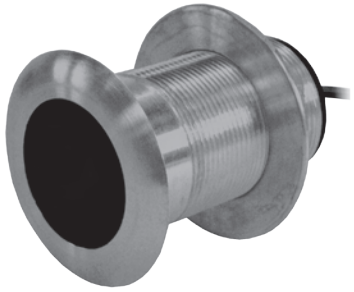


B122—200 kHz Transducer—Kit Includes Transducer and Matching Cable

Generic	**31-373-2-01**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

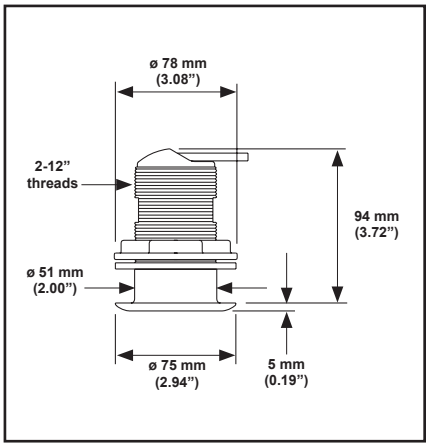
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

B117



- Bronze, low-profile housing
- Depth Only
- Usable shaft length: ~66.5 mm (2.62")
- Replacement nut—405, Net: € CALL
- 10 m (33') cable length

Frequency: 50/200 kHz
Cone: 50 kHz—45° , 200 kHz—12°
RMS Power: 600 W



AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

B117—50/200 kHz Transducers— Kit Includes Transducer and 600 W Matching Cable

Furuno®	**31-653-3-01**	**Net: € CALL**
	10-pin connector, Depth only Fits: Furuno units with 10-pin connector	

Garmin®	**31-092-5-01**	**Net: € CALL**
	6-pin connector, Depth only Fits: Garmin units with 6-pin connector	

JRC®, Simrad®	**31-092-2-01**	**Net: € CALL**
	7-pin connector, Depth only Fits: JRC FF-50, Simrad EQ32, 33, 34	

Black Box	**31-627-2-02**	**Net: € CALL**
	8-pin connector, Depth only Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

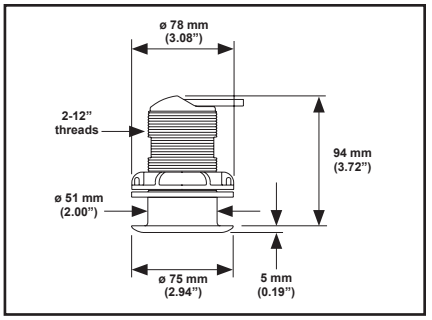
Generic	**31-092-6-02**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

P19



- Plastic thru-hull housing
- Depth Only
- Usable shaft length 63.5 mm (2.5")
- Plastic hull nut—04-004, Net: € CALL

Frequency: 200 kHz
Cone: 11°
RMS Power: 350 W



P19—200 kHz Transducers—Kit Includes Transducer and Matching Cable

GeoNav®	**31-497-2-01 (170 kHz)**	**Net: € CALL**
	8-pin connector, Depth only, plastic housing Fits: GeoNav	

Lowrance®	**31-392-2-01 (200 kHz)**	**Net: € CALL**
	7-pin Blue & Grey Lowrance, Depth only Fits: Lowrance units w grey & blue connector	

Generic	**31-486-1-01 (20° Tilt)**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

Generic	**31-485-1-01 (12° Tilt)**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

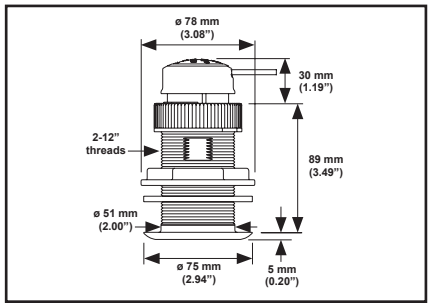
Generic	**31-851-5-01 (0° Tilt)**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

B17



Frequency: 200 kHz
Cone: 12°
RMS Power: 250 W



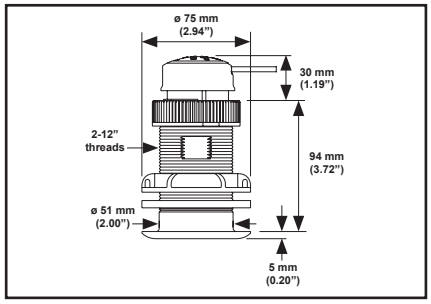
B17—200 kHz Transducer

Generic N/C	31-241-1-04	Net: € CALL
	No connector, Depth only, bronze housing Fits: Bare wire applications	

P17



Frequency: 200 kHz
Cone: 12°
RMS Power: 250 W

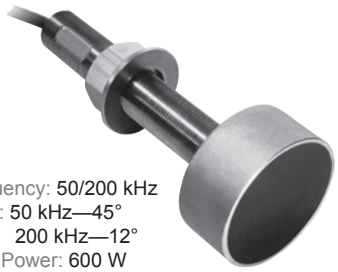


P17—200 kHz Transducers— Kit Includes Transducer and Matching Cable

Generic N/C	31-241-5-01	Net: € CALL
	No connector, Depth only, plastic housing Fits: Bare wire applications	

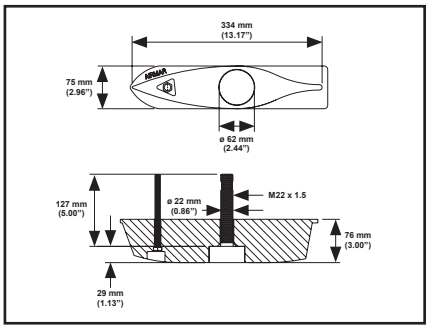
Generic	31-243-1-02	Net: € CALL
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

SS505



Frequency: 50/200 kHz
Cone: 50 kHz—45°
200 kHz—12°
RMS Power: 600 W

- Stainless steel housing
- Depth Only
- Fairing block sold separately
- Usable shaft length: ~105 mm (4.12")
- High-Performance Fairing—
  33-355-01, Net: € CALL



SS505—50/200 kHz Transducers— Kit Includes Transducer and 600 W Matching Cable

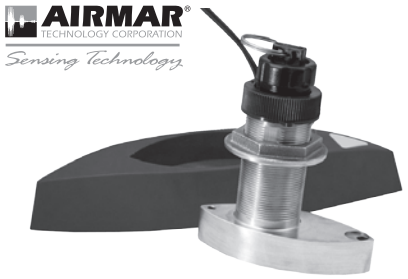
Generic N/C	31-239-1-02	Net: € CALL
	No connector, Depth only, stainless housing Fits: Bare wire applications	

JRC®, Simrad®	31-088-1-01	Net: € CALL
	7-pin connector, Depth only, stainless housing Fits: JRC FF-50, Simrad EQ32, 33, 34	

Generic	31-115-2-01	Net: € CALL
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

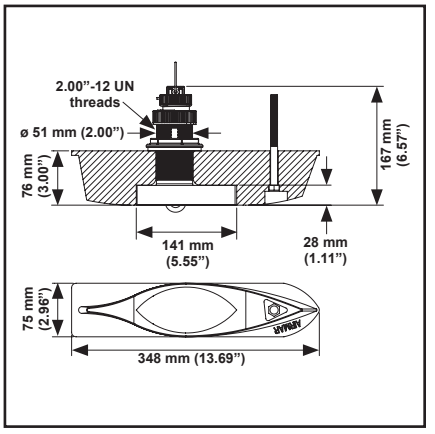
B744V



- Thru-Hull TRIDUCER Multisensor
- Depth, Speed, and Temperature
- Retractable with self-closing sea valve
- High-Performance Fairing included

The B744V TRIDUCER Multisensor provides you with depth, speed, and temperature in one thru-hull housing. This unit is ideal for all 600 W fishfinders and requires only a single hole in the hull. The High-Performance Fairing provides a streamlined installation and allows for a vertical beam. At speeds above 30 knots (34 MPH), the unit will produce clear images and solid bottom tracking. The patented valve assembly prevents water from rushing into the hull when the insert is removed for cleaning

Maximum Depth Range:
50 kHz—235 m to 353 m (800' to 1,200')
200 kHz—118 m to 206 m (400' to 700')



B744V—Parts and Accessories



Hull Nut:
02-030 .....€ CALL



High-Performance Fairings:
33-476-01 .....€ CALL



Blanking Plugs:
TBD .....€ CALL



Paddlewheel Inserts:
TBD .....€ CALL



Plastic Cap Nut:
04-234-1 .....€ CALL



Paddlewheel Only Kit:
33-113.....€ CALL



Paddlewheel and Valve Kit:
33-535-01 .....€ CALL

B744V—50/200 kHz Transducers—Kit Includes Transducer and 600 W Matching Cable

Furuno®	**31-658-1-03**	**Net: € CALL**
	10-pin connector, Depth, speed, and temp. Fits: Furuno units with 10-pin connector	

Furuno®, Generic	**31-665-3-02**	**Net: € CALL**
	8-pin Fuji connector, Depth, speed, and temp. Fits: Units with 8-pin Fuji connector	

Garmin®	**31-665-2-02**	**Net: € CALL**
	6-pin connector, Depth, speed, and temp. Fits: Garmin units with 6-pin connector	

JRC®, Simrad®	**31-665-1-03**	**Net: € CALL**
	7-pin connector, Depth, speed, and temp. Fits: JRC FF-50, Simrad, Raytheon	

Lowrance®	**31-666-1-02**	**Net: € CALL**
	7-pin Blue Lowrance, Depth, speed, and temp. Fits: Units with blue collar connector	

Navman® / Northstar®	**31-667-1-01**	**Net: € CALL**
	6-pin connector, Depth, speed, and temp. Fits: Navman 6-pin, Northstar M Series	

Northstar®	**31-665-4-03**	**Net: € CALL**
	Depth, speed, and temperature Fits: 490S, 491 (1 kW), Nobeltec	

Raymarine®	**31-668-2-02**	**Net: € CALL**
	6-pin connector, Depth, speed, and temp. Fits: Raymarine "A" Series: DS400X, 500X, 600X, A65, DSM25. Raymarine #E66062.	

Raymarine®	**31-669-1-03**	**Net: € CALL**
	Depth, speed, and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Black Box	**31-658-2-02**	**Net: € CALL**
	8-pin connector, Depth, speed, and temp. Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

Navman®—200 kHz	**31-678-2-01**	**Net: € CALL**
	8-pin connector, Depth, speed, and temp. Fits: Navmin 8-pin connector	

Simrad®—200 kHz	**31-678-1-01**	**Net: € CALL**
	No connector, Depth, speed, and temp. Fits: JRC FF-50, Simrad EQ32, 33, 34	

Generic	**TBD**	**Net: € CALL**
	Depth, speed, and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

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B744VL



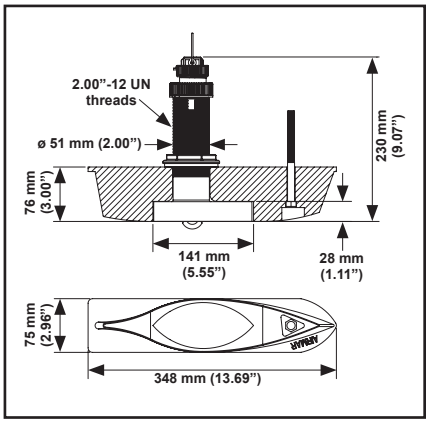
- Long Stem version of the B744V
- Depth, Speed, and Temperature
- Retractable with self-closing sea valve

Frequency: 50/200 kHz
Cone: 50 kHz—45° , 200 kHz—12°
RMS Power: 600 W

The B744VL is a long stem version of the B744V, TRIDUCER Multisensor. This long-stem model accommodates thick hulled powerboats, and sailboats with a steep deadrise.

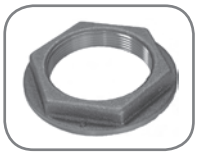
This unit is ideal for all 600 W fishfinders and requires only a single hole in the hull. The High-Performance Fairing provides a streamlined installation and allows for a vertical beam. At speeds above 30 knots (34 MPH), the unit will produce clear images and solid bottom tracking. The patented valve assembly prevents water from rushing into the hull when the insert is removed for cleaning

Maximum Depth Range:
50 kHz—235 m to 353 m (800' to 1,200')
200 kHz—118 m to 206 m (400' to 700')



AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

B744VL—Parts and Accessories


Hull Nut:
02-030 .....€ CALL


High-Performance Fairings:
33-476-01 .....€ CALL


Blanking Plugs:
TBD .....€ CALL


Paddlewheel Inserts:
TBD .....€ CALL


Plastic Cap Nut:
04-234-1 .....€ CALL


Paddlewheel Only Kit:
33-113.....€ CALL


Paddlewheel and Valve Kit:
33-535-01 .....€ CALL

B744VL—50/200 kHz Transducers—Kit Includes Transducer and 600 W Matching Cable

Furuno®	31-707-2-01	Net: € CALL
	10-pin connector, Depth, speed, and temp. Fits: Furuno units with 10-pin connector	

Furuno ®,Generic	31-707-4-02	Net: € CALL
	8-pin Fuji connector, Depth, speed, and temp. Fits: Units with 8-pin Fuji connector	

Garmin®	31-707-1-02	Net: € CALL
	6-pin connector, Depth, speed, and temp. Fits: Garmin units with 6-pin connector	

JRC®, Simrad®	31-707-3-03	Net: € CALL
	7-pin connector, Depth, speed, and temp. Fits: JRC FF-50, Simrad, Raytheon	

Lowrance®	31-710-1-01	Net: € CALL
	7-pin Blue Lowrance, Depth, speed, and temp. Fits: Units with blue collar connector	

Northstar®	31-705-5-02	Net: € CALL
	Depth, speed, and temp. Fits: 490S, 491 (1 kW), Nobeltec	

Raymarine®	31-709-1-02	Net: € CALL
	Depth, speed, and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Raymarine®	31-709-1-02	Net: € CALL
	6-pin connector, Depth, speed, and temp. Fits: Raymarine "A" Series: DS400X, 500X, 600X, A65, DSM25. Raymarine #E66062.	

Black Box	31-664-1-01	Net: € CALL
	8-pin connector, Depth, speed, and temp. Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

Generic	TBD	Net: € CALL
	Depth, speed, and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

Junction Box Style



25-115 non-valve style



All others, valve style

33-046-01 (B744V, B66V, Non-Raymarine)	**Net: € CALL**
33-080-01 (B744VL, B66VL, Non-Raymarine)	**Net: € CALL**
31-364-3-71 (B744V, Fits: Raymarine DSM250, 300)	**Net: € CALL**
B744VL-RAY-INS (B744VL, Fits: Raymarine DSM250, 300)	**Net: € CALL**
31-582-2-71 (B744VL, Lowrance blue connector)	**Net: € CALL**
31-582-1-01 (B744V, Lowrance blue connector)	**Net: € CALL**
33-044JB (B44V, Non-Raymarine)	**Net: € CALL**
25-115JB (B44, Non-Raymarine)	**Net: € CALL**
M99-150 (B44V, Fits: 365, 465, 470, 750, 755, 760, 1250)	**Net: € CALL**

Y-Cable Style



Valve style with Y-cable

31-701-1-72 (New B744V, Raymarine without pin)	**Net: € CALL**
31-702-1-72 (New B744VL, Raymarine without pin)	**Net: € CALL**
31-364-1-01 (B744V, Raymarine with pin)	**Net: € CALL**
25-071-06 (B744V, 7-pin connector with pin)	**Net: € CALL**
33-234-01 (B44V, 6-pin Garmin connector with pin)	**Net: € CALL**
33-230-01 (B44V, 10-pin Furuno connector with pin)	**Net: € CALL**
25-178-1 (B44V, 7-pin)	**Net: € CALL**

Thru-Hull, TRIDUCER® Spares



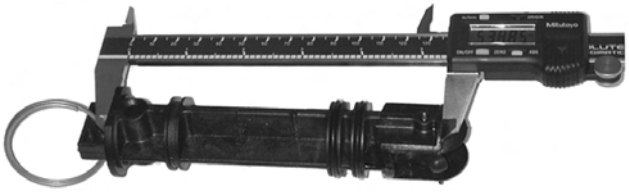
20-752-1 (B744V, B66V)	**Net: € CALL**
20-752-3 (B744VL, B66VL)	**Net: € CALL**
20-178 (B44V)	**Net: € CALL**
33-122 (B44)	**Net: € CALL**
33-125 (B55)	**Net: € CALL**
33-127 (B56)	**Net: € CALL**

Blanking Plugs



20-175-5 (B744V, B66V, SS544V)	**Net: € CALL**
33-483-01 (B744VL, B66VL)	**Net: € CALL**
20-175-1 (B44V)	**Net: € CALL**
33-128 (B56)	**Net: € CALL**
33-126 (B50, B62)	**Net: € CALL**
33-123 (B44)	**Net: € CALL**

Measurement



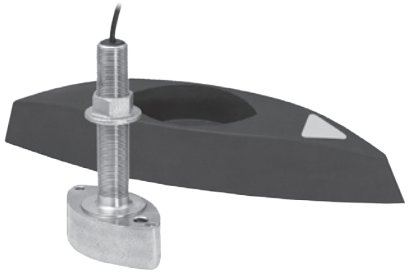
Dimensions figured by measuring points shown

Dimensions

Housing Type	Dimensions
B744V, B66V, SS544V	149 mm (5.85”)
B744VL, B66VL	212 mm (8.35”)
B44V	136 mm (5.36”)
B44	117 mm (4.60”)
B55	128 mm (5.04”)
B56	179.58 mm (7.08”)
B50, B62, SS50	136 mm (5.36”)

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B45

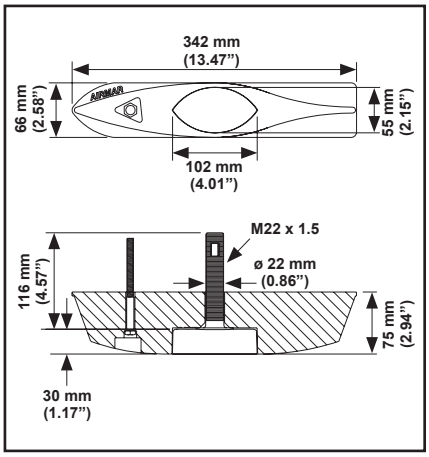


Frequency: 50/200 kHz
Cone: 50 kHz—45° , 200 kHz—12°
RMS Power: 600 W

- Bronze housing
- Depth and Temperature
- High-Performance Fairing included
- Usable shaft length: ~92 mm (3.62”)
- Standard fairing block—33-351-01

Maximum Depth Range:
50 kHz—235 m to 353 m (800’ to 1,200’)
200 kHz—118 m to 206 m (400’ to 700’)

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



B45—50/200 kHz Transducers—Kit Includes Transducer and 600 W Matching Cable

Furuno®	**31-272-2-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Furuno®, Generic	**31-272-1-02**	**Net: € CALL**
	8-pin Fuji connector, Depth and temperature Fits: Raytheon V-700/800 Series, Si-Tex CVS-106L, 832, 833, Old Furuno	

Garmin®	**31-272-8-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

JRC®, Simrad®	**31-272-3-02**	**Net: € CALL**
	7-pin connector, Depth and temperature Fits: JRC FF-50, Simrad EQ32, 33, 34	

JRC®, Simrad®	**31-288-4-02**	**Net: € CALL**
	7-pin connector, Depth only Fits: JRC FF-50, Simrad EQ32, 33, 34	

Lowrance®	**31-490-2-01**	**Net: € CALL**
	7-pin Blue Lowrance, Depth and temperature Fits: Units with blue collar connector	

Navman® / Northstar®	**31-288-4-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Navman 6-pin, Northstar M Series	

Raymarine®	**31-272-7-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Black Box	**31-696-1-01**	**Net: € CALL**
	8-pin connector, Depth and temperature Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

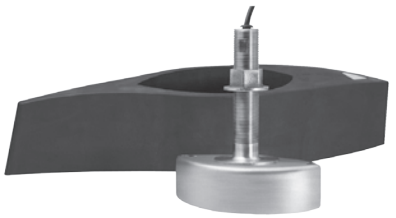
Generic	**31-272-9-01**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

Generic	**31-288-3-01**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

Generic	**31-257-2-01 (200 kHz)**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

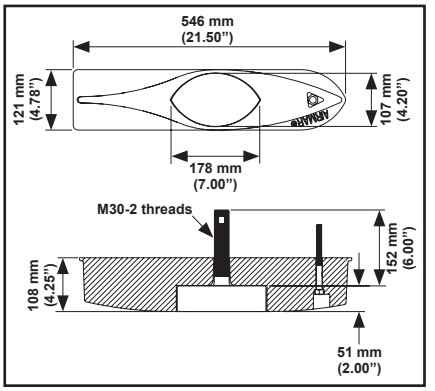
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

B258—*Better*

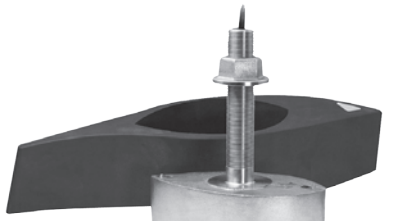


1 kW Thru-Hull

- Entry-level 1 kW
- 1 kW power
- 50/200 kHz operation
- Depth and Temperature
- Includes High-Performance Fairing

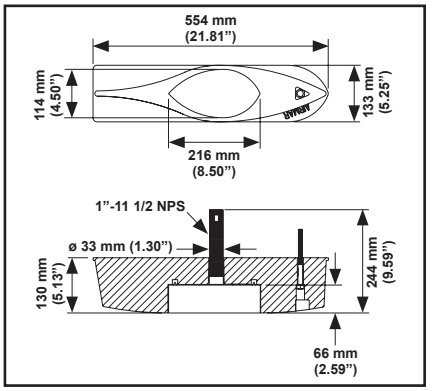


SS270W—*Better*

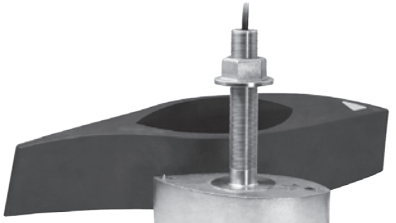


1 kW Twin Wide-Beam Thru-Hull

- High-performance wide-beam 1 kW
- Designed for tuna and bill fishing
- 1 kW power
- 50 kHz and 200 kHz operation
- Depth and Temperature
- Twin 25° wide beams at both frequencies
- Includes High-Performance Fairing

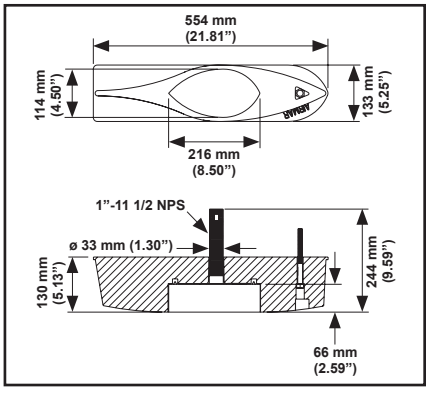


B260—*Best*

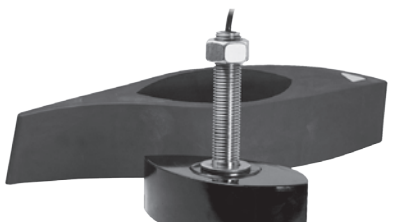


1 kW Thru-Hull

- High-performance narrow-beam 1 kW
- Designed for bottom fishing
- 1 kW power
- 50 kHz and 200 kHz broadband operation
- Depth and Temperature
- 19° at 50 kHz / 6° at 200 kHz
- Includes High-Performance Fairing

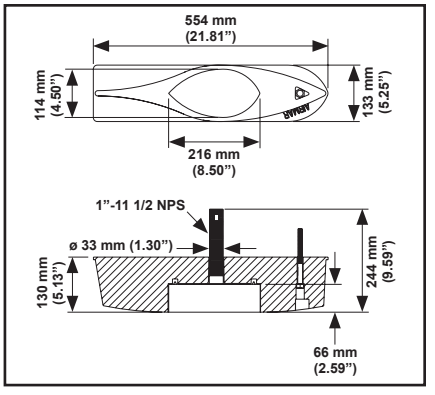


SS560 & SS260—*Best*

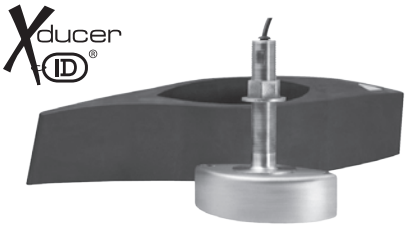


1 kW Thru-Hull

- Stainless steel version of the B260
- 1 kW power
- 50 and 200 kHz broadband operation
- Depth and Temperature
- Mounts to any hull material
- 19° at 50 kHz / 6° at 200 kHz
- Includes High-Performance Fairing



B258

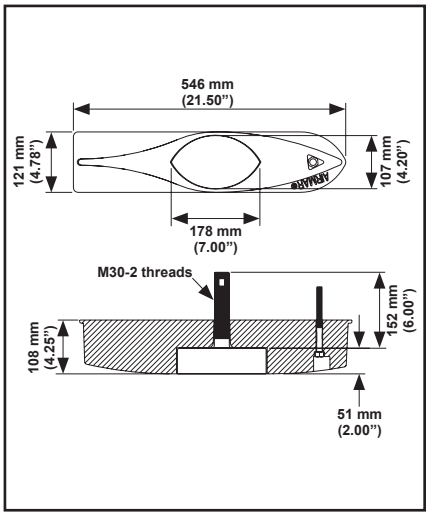


- Entry-level 1 kW thru-hull
- Depth and new fast-response water-temperature sensor
- Recommended for sport fishing boats above 8 m (26') and small to mid-size commercial fishing boats
- Compatible with single-transmission line sounders
- High-Performance Fairing included

This new 1 kW transducer makes 600 W fishfinders perform like their more powerful big brothers—especially at 50 kHz. The B258 is 25 times more sensitive than a single-element 50/200 kHz transducer. The B258 uses new and unique ceramic-element construction. The resulting narrow beams will clearly distinguish individual fish and bottom fish from their habitat at up to 670 m (2,200').

Frequency: 50/200 kHz
Cone: 50 kHz—14° x 23° , 200 kHz—3° x 5°
RMS Power: 1 kW

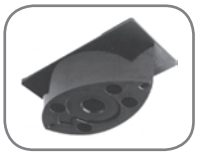
Maximum Depth Range:
50 kHz—441 m to 647 m (1,500' to 2,200')
200 kHz—206 m to 294 m (700' to 1,000')



B258—Parts and Accessories



Hull Nut:
02-222-03 .....€ CALL



Standard Fairing:
33-030-01 .....€ CALL



High-Performance Fairing:
33-391-02FB....€ CALL

AIRMAR®
TECHNOLOGY CORPORATION
Sensing Technology

B258—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®, Generic	**41-256-2-01**	**Net: € CALL**
	8-pin Fuji connector, Depth and temperature Fits: Units with 8-pin Fuji connector	

Furuno®	**41-292-1-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Garmin®	**41-274-01-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Lowrance®	**41-263-1-01**	**Net: € CALL**
	7-pin Blue Lowrance, Depth and temperature Fits: Units with blue collar connector	

Navman® / Northstar®	**41-256-6-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Navman 6-pin, Northstar M Series	

Raymarine®	**41-254-1-01**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

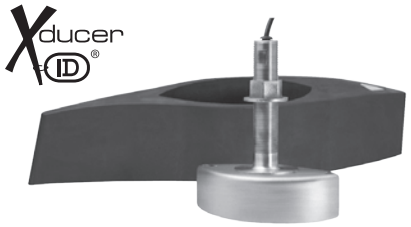
JRC®, Simrad®	**41-256-3-02**	**Net: € CALL**
	7-pin connector, Depth and temperature Fits: JRC FF-50, Simrad EQ32, 33, 34	

Black Box	**41-191-1-03**	**Net: € CALL**
	8-pin connector, Depth and temperature Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

SS258

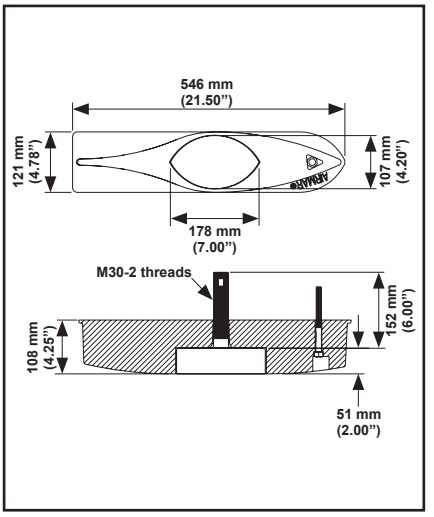


- Entry-level 1 kW thru-hull
- Recommended for sport fishing boats above 8 m (26') and small to mid-size commercial fishing boats
- Compatible with single-transmission line sounders
- High-Performance Fairing included

This new 1 kW transducer makes 600 W fishfinders perform like their more powerful big brothers—especially at 50 kHz. The SS258 is 25 times more sensitive than a single-element 50/200 kHz transducer. The SS258 uses new and unique ceramic-element construction. The resulting narrow beams will clearly distinguish individual fish and bottom fish from their habitat at up to 670 m (2,200').

Frequency: 50/200 kHz
Cone: 50 kHz—14° x 23° , 200 kHz—3° x 5°
RMS Power: 1 kW

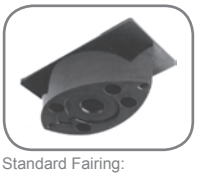
Maximum Depth Range:
50 kHz—441 m to 647 m (1,500' to 2,200')
200 kHz—206 m to 294 m (700' to 1,000')



SS258—Parts and Accessories



Hull Nut:
02-222-03 .....€ CALL



Standard Fairing:
33-030-01 .....€ CALL



High-Performance Fairing:
33-391-02FB....€ CALL

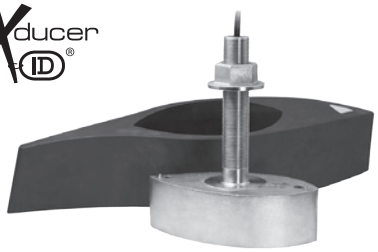
AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

SS258—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®, Generic	**41-295-1-01**	**Net: € CALL**
	8-pin Fuji connector, Depth and temperature Fits: Units with 8-pin Fuji connector	
Furuno®	**41-290-3-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	
Garmin®	**41-290-2-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	
JRC®, Simrad®	**41-295-2-01**	**Net: € CALL**
	7-pin connector, Depth and temperature Fits: JRC FF-50, Simrad EQ32, 33, 34	
Lowrance®	**41-364-1-02**	**Net: € CALL**
	7-pin Blue Lowrance, Depth and temperature Fits: Units with blue collar connector	

Navman® / Northstar®	**41-295-3-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Navman 6-pin, Northstar M Series	
Raymarine®	**41-291-1-01**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	
Black Box	**41-290-1-02**	**Net: € CALL**
	8-pin connector, Depth and temperature Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	
Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

B260

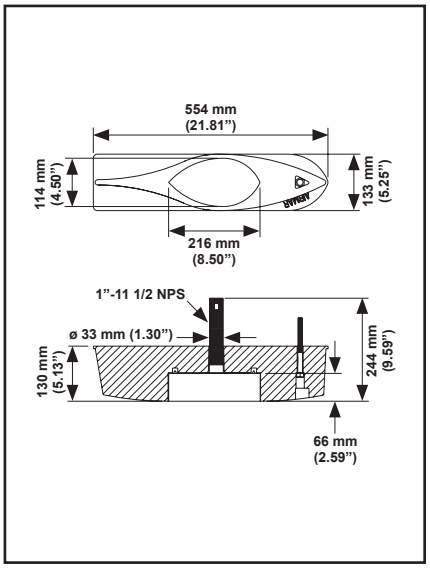


- Best performing 1kW Thru Hull
- Depth and new fast-response water-temperature sensor
- Interfaces to any 600 W or 1 kW echosounder
- Available with a diplexer for single-transmission-line fishfinders or without a diplexer for dual-transmission-line fishfinders
- High-Performance Fairing included

The B260 features Airmar's Broadband Ceramic Technology. The narrow 200 kHz beam is excellent at detecting fish holding tight to the bottom and to structure. The outcome is excellent resolution and crisp image detail where it's needed most. The wider 50 kHz beam will give superb deep-water sounding down to 914 m (3,000'). The B260 Broadband will enhance fish detection on virtually all of today's fishfinders.

Frequency: 50 kHz and 200 kHz
Cone: 50 kHz—19° , 200 kHz—6°
RMS Power: 1 kW

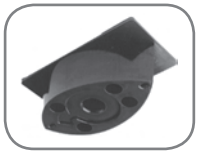
Maximum Depth Range:
50 kHz—529 m to 735 m (1,800' to 2,500')
200 kHz—206 m to 294 m (700' to 1,000')



B260—Parts and Accessories



Hull Nut:
02-036-02 .....€ CALL



Standard Fairing:
33-030FB.....€ CALL



High-Performance Fairing:
33-391-01FB....€ CALL

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TECHNOLOGY CORPORATION
Sensing Technology

B260—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	**41-282-1-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Furuno®	**41-283-1-02**	**Net: € CALL**
	No connector, Depth and temperature Fits: Furuno dual line units	

Garmin®	**41-226-1-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin GSD22	

Garmin®	**41-099-6-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin GSD20	

JRC®, Simrad®	**41-236-1-02**	**Net: € CALL**
	7-pin connector, Depth and temperature Fits: JRC FF-50, Simrad EQ32, 33, 34	

Lowrance®	**41-194-1-01**	**Net: € CALL**
	7-pin Blue Lowrance, Depth and temperature Fits: Units with blue collar connector	

Navman® / Northstar®	**41-099-7-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Navman 6-pin, Northstar M Series	

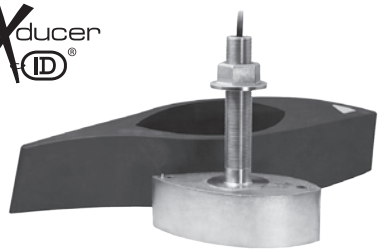
Northstar®	**41-098-3-03**	**Net: € CALL**
	Depth and temperature Fits: 490S, 491 (1 kW), Nobeltec	

Black Box	**41-226-2-01**	**Net: € CALL**
	8-pin connector, Depth and temperature Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

SS260

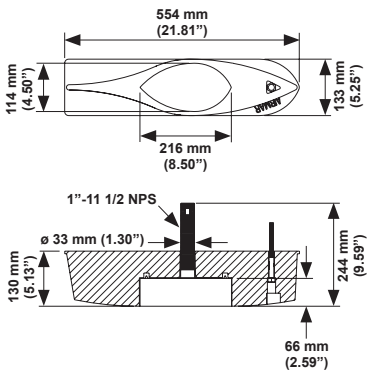


- Best performing 1kW Thru Hull
- Depth and new fast-response water-temperature sensor
- Interfaces to any 600 W or 1 kW echosounder
- Available with a diplexer for single-transmission-line fishfinders or without a diplexer for dual-transmission-line fishfinders
- High-Performance Fairing included

The SS260 features Airmar's Broadband Ceramic Technology. The narrow 200 kHz beam is excellent at detecting fish holding tight to the bottom and to structure. The outcome is excellent resolution and crisp image detail where it's needed most. The wider 50 kHz beam will give superb deep-water sounding down to 914 m (3,000'). The SS260 Broadband will enhance fish detection on virtually all of today's fishfinders.

Frequency: 50 kHz and 200 kHz
Cone: 50 kHz—19° , 200 kHz—6°
RMS Power: 1 kW

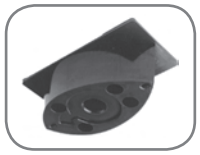
Maximum Depth Range:
50 kHz—529 m to 735 m (1,800' to 2,500')
200 kHz—206 m to 294 m (700' to 1,000')



SS260—Parts and Accessories



Hull Nut:
02-036-02 .....€ CALL



Standard Fairing:
33-030FB.....€ CALL



High-Performance Fairing:
33-391-01FB....€ CALL

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TECHNOLOGY CORPORATION
Sensing Technology

SS260—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	**41-305-3-02**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Furuno®	**41-307-1-02**	**Net: € CALL**
	No connector, Depth and temperature Fits: Furuno dual line units	

Garmin®	**41-305-1-02**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

JRC®, Simrad®	**41-300-1-02**	**Net: € CALL**
	7-pin connector, Depth and temperature Fits: JRC FF-50, Simrad EQ32, 33, 34	

Lowrance®	**41-297-1-01**	**Net: € CALL**
	7-pin Blue Lowrance, Depth and temperature Fits: Units with blue collar connector	

Navman® / Northstar®	**41-298-1-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Navman 6-pin, Northstar M Series	

Northstar®	**41-328-1-03**	**Net: € CALL**
	Depth and temperature Fits: 490S, 491 (1 kW), Nobeltec	

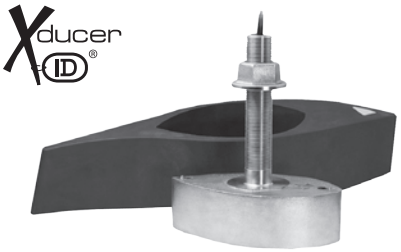
Raymarine®	**41-306-1-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Black Box	**41-305-2-02**	**Net: € CALL**
	8-pin connector, Depth and temperature Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

Generic	**TBD**	**Net: € CALL**
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

www.airmar-emea.com

SS270W Twin Wide-Beam



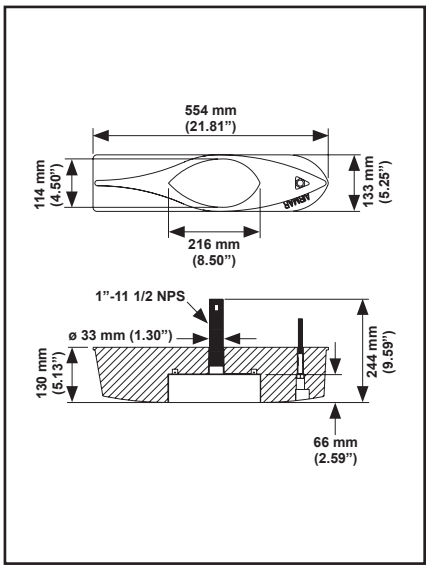
- **Identical wide 25° beamwidths at 50 kHz and 200 kHz**
- Provides 4 times the beamwidth at 200 kHz than other high-performance transducers
- Depth and new fast-response water-temperature sensor
- Wide-beam is ideal for marking bait fish and game fish
- Vast bottom coverage in shallow-water
- Same targets appear at both frequencies
- Excellent fish detection in shallow to mid-water depths
- Retrofits into existing B260 fairing pocket

Frequency: 50 kHz and 200 kHz
Cone: 50 kHz—25° , 200 kHz—25°
RMS Power: 1 kW

The SS270W gives you four times the beamwidth at 200 kHz than other high-performance transducers. Since the width of the beams are the same at both frequencies, a split-screen fishfinder display will clearly show the same water column and bottom coverage. Fish may also appear as arches. More fish will be marked while cruising, trolling, drifting, or at anchor.

- **Tuna/Marlin Fishermen—**Detect bait and gamefish in the upper water column that would go unseen with a traditional narrow-beam transducer.
- **Downrigger Fishermen—**Have the ability to see your downrigger ball and the lines attached to it. Get a closer look at a fish strike on your echosounder screen.
- **Jig Fishermen—**Seeing your jigs on the echosounder screen while bottom fishing can help avoid bottom hang-ups. Seeing a tuna attack your jigs on the echosounder display lets you reel up loose lines before it is too late.

The custom-fit High-Performance Fairing will give crystal-clear imaging at speeds up to 30 knots (34 MPH). And since the SS270W fits into the popular B260 fairing pocket, it's easy to upgrade existing installations. Possibilities expand with the SS270W twin wide-beam transducer.

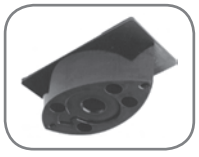


Maximum Depth Range:
50 kHz—400 m to 610 m (1,350' to 2,000')
200 kHz—100 m to 180 m (330' to 600')

SS270W—Parts and Accessories



Hull Nut:
02-222-03 .....€ CALL



Standard Fairing:
33-030-01 .....€ CALL



High-Performance Fairing:
33-391-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

SS270W—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	41-331-1-01	Net: € CALL
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Furuno®	41-336-1-03	Net: € CALL
	No connector, Depth and temperature Fits: Furuno dual line units	

Garmin®	41-332-2-01	Net: € CALL
	6-pin connector, Depth and temperature Fits: Garmin units with 6-pin connector	

Lowrance®	TBD	Net: € CALL
	7-pin Blue Lowrance, Depth and temperature Fits: Units with blue collar connector	

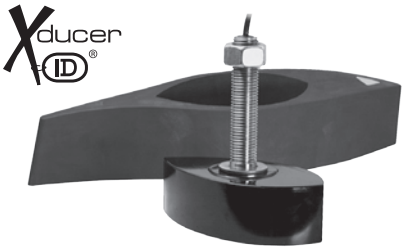
Raymarine®	41-324-1-01	Net: € CALL
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

Raymarine®	41-336-1-01	Net: € CALL
	Depth and temperature Fits: DSM400	

Generic	TBD	Net: € CALL
	Depth and temperature See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

SS560



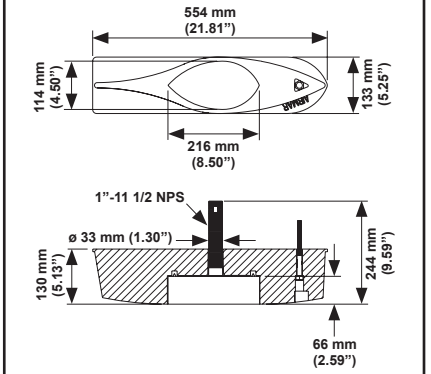
- Stainless Steel version of the popular B260
- Designed for metal hulls
- SS260 model will replace SS560 model when inventory is depleted
- Includes kit to isolate the stem from metal hulls, minimizing the possibility of damage by electrolytic corrosion
- Temperature sensor included
- Available with diplexer for single-transmission-line fishfinders and without diplexers for dual-transmission-line fishfinders

Designed specifically for metal hulls, the SS560 / SS260 is our best-performing 1 kW model. And with the addition of Airmar's exclusive Broadband Ceramic Technology, this transducer displays unparalleled shallow and deep water sensing. A large, broadband, 200 kHz ceramic is combined with a seven-element 50 kHz array for excellent imaging at both frequencies.

A High-Performance Fairing comes standard with every transducer. At speeds over 30 knots (35 MPH), screen displays continue to show clear images and crisp bottom tracking.

Frequency: 50 kHz and 200 kHz
Cone: 50 kHz—19° , 200 kHz—6°
RMS Power: 1 kW

Maximum Depth Range:
50 kHz—529 m to 735 m (1,800' to 2,500')
200 kHz—206 m to 294 m (700' to 1,000')



SS560—Parts and Accessories



High-Performance Fairing:
33-391-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

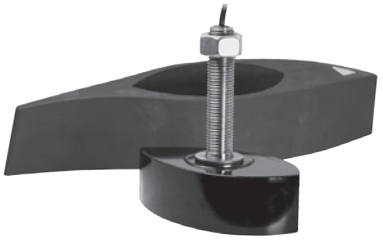
SS560—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	41-173-1-02	Net: € CALL
	No connector, Depth and temperature Fits: Furuno dual line units	

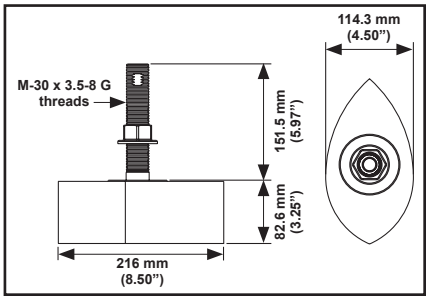
Northstar®	41-243-1-02	Net: € CALL
	Depth and temperature Fits: 490S, 491 (1 kW), Nobeltec	

Lowrance®	41-181-1-01	Net: € CALL
	7-pin Blue Lowrance, Depth and temperature Fits: Units with blue collar connector	

SS561



AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



SS561—28 kHz Transducer

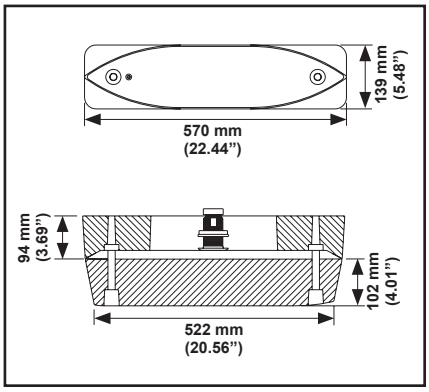
Furuno®	41-276-1-01	Net: € CALL
	No connector, Depth and temperature Fits: Furuno dual line units	

R99



2 kW External-Mount

- 2 kW power
- Depth and Temperature
- Low-frequency operates anywhere between 38 to 75 kHz (wide-beam)
- High-frequency operates anywhere between 130 to 210 kHz (narrow-beam)
- For commercial and sportfishing boats above 12 m (40')
- Includes High-Performance Fairing
- Adjustable frequency also adjusts beamwidth
- Xducer ID® feature

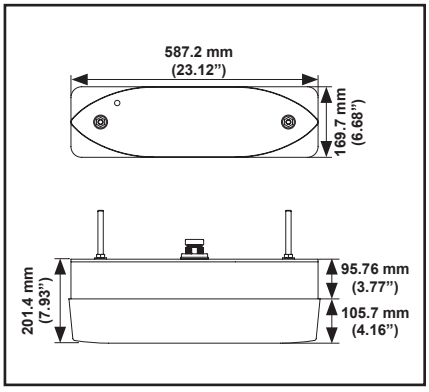


R209 Broadband



2 to 3 kW External-Mount

- Designed for multi-frequency/tunable echosounders
- Low-frequency operates anywhere between 33 to 60 kHz (wide-beam)
- High-frequency operates anywhere between 130 to 210 kHz (narrow-beam)
- 2 to 3 kW power, high-performance broadband operation, depth and temperature
- For commercial and sportfishing boats above 12 m (40')
- Adjustable frequency also adjusts beamwidth
- Xducer ID® feature

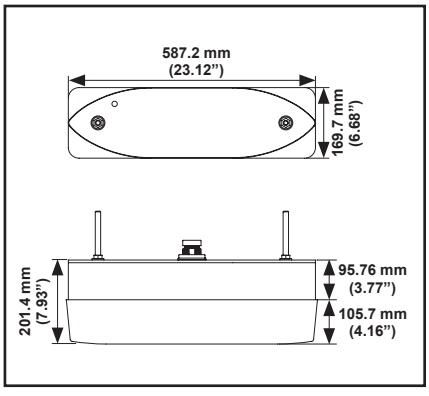


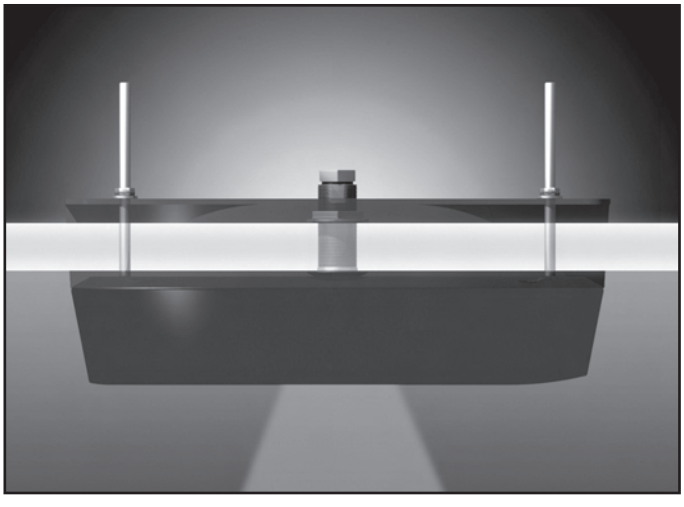
R309 Broadband

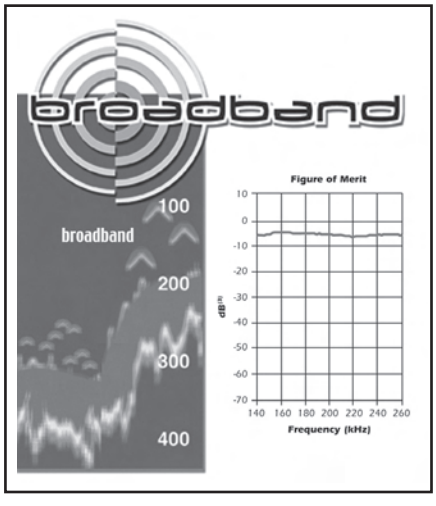


2 to 3 kW External-Mount

- Designed for multi-frequency/tunable echosounders
- Low-frequency operates anywhere between 25 to 45 kHz (wide-beam)
- High-frequency operates anywhere between 130 to 210 kHz (narrow-beam)
- 2 to 3 kW power, high-performance broadband operation, depth and temperature
- For commercial and sportfishing boats above 12 m (40')
- Adjustable frequency also adjusts beamwidth
- Xducer ID® feature







TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

R99 Broadband

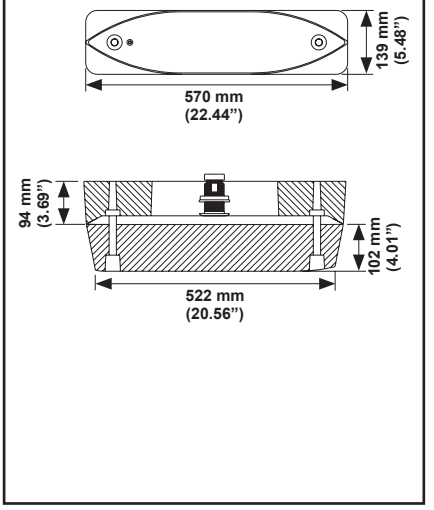


- The top performer in Airmar's professional line of fishfinder transducers for vessels 12 m (40') and up
- Streamlined shape with fairing provides excellent performance at speeds over 30 knots (34 MPH)
- Only 2 kW, thru-hull, external-mount transducer on the market that can operate at 38 kHz, 50 kHz, or 75 kHz
- Depth and new fast-response water-temperature sensor
- Interfaces to all 1 kW and 2 kW echosounders
- Available with a diplexer for single-transmission-line fishfinders and without a diplexer for dual-transmission-line fishfinders
- New urethane housing

Airmar's R99 is a fish's worst enemy. Why? The R99 is so precise; fish are no longer concealed by their surroundings. Fish swimming near the bottom cannot hide. In mid-water depths—fish don't have a fighting chance. Designed with Airmar's exclusive Broadband Ceramic Technology, the 130 kHz to 210 kHz element produces high-resolution targets without sacrificing its ability to see deep into the water. The R99 puts the find in fishfinder.

Frequency: 38 to 75 kHz and 130 to 210 kHz
Cone: Adjustable
RMS Power: 2 kW

Maximum Depth Range:
HF—235 m to 353 m (800' to 1,200')
LF—735 m to 1,176 m (2,500' to 4,000')



R99—Parts and Accessories



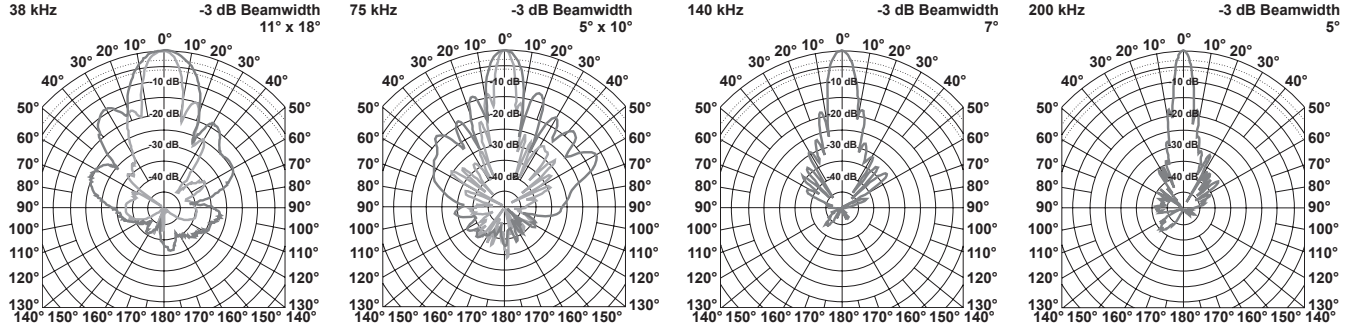
Fairing Block:
04-482-01 .....€ CALL



Stainless Stuffing Tube:
33-541-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

R99—Broadband Beam Patterns



R99—Broadband Transducers

Furuno®	**41-228-1-01**	**Net: € CALL**
	10-pin connector, Depth and temperature Fits: Furuno units with 10-pin connector	

Garmin®	**41-235-1-01**	**Net: € CALL**
	6-pin connector, Depth and temperature Fits: Garmin GSD22	

Furuno®, Raymarine®	**41-284-1-02**	**Net: € CALL**
	No connector, Depth and temperature Fits: Furuno dual line units, Raymarine DSM400	

Raymarine®	**41-287-1-02**	**Net: € CALL**
	Depth and temperature Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

R209 Broadband

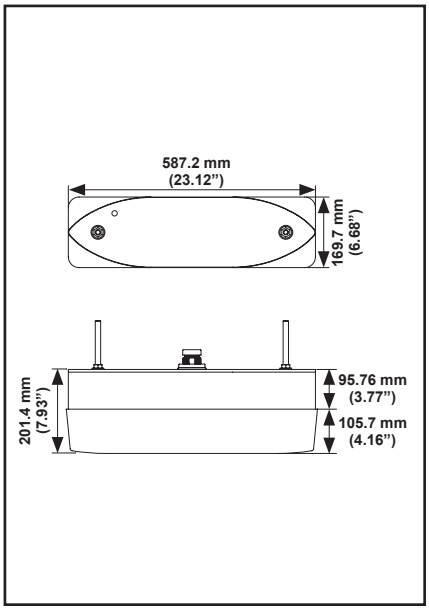


- The top performer in Airmar's professional line of fishfinder transducers
- Only 3 kW thru-hull, external-mount transducer on the market that can operate at either 38 kHz or 50 kHz
- Recommended for commercial and sportfishing boats above 12 m (40')
- Depth and new fast-response water-temperature sensor
- New urethane housing
- Includes fairing and stainless steel stuffing tube

Want to increase your catch? Want to detect ground fish holding tight to the bottom in deep-water? Want to mark bait fish as closely-spaced individual fish? Then Airmar's R209 is the answer.

Airmar's Broadband R209 can operate at ANY frequency between **33 kHz to 60 kHz** and **130 kHz to 210 kHz**. Adjusting the frequency allows you to change the R209's beamwidth and depth capabilities. For example if you are bottom fishing in 61 m (200') of water, the narrow high-frequency beam will display extreme bottom detail and fish holding tight to structure. If you are tuna or marlin fishing in deep blue water, the wider low-frequency beam will not only give deep-water bottom detail, but more importantly show you more of what is around your vessel—including bait which may attract game fish. With the R209, you choose the frequency for your fishing.

Frequency: 33 to 60 kHz and 130 to 210 kHz
Cone: Adjustable
RMS Power: 2 to 3 kW



Maximum Depth Range:
HF—235 m to 353 m (800' to 1,200')
LF—914 m to 1,372 m (3,000' to 4,500')

R209—Parts and Accessories



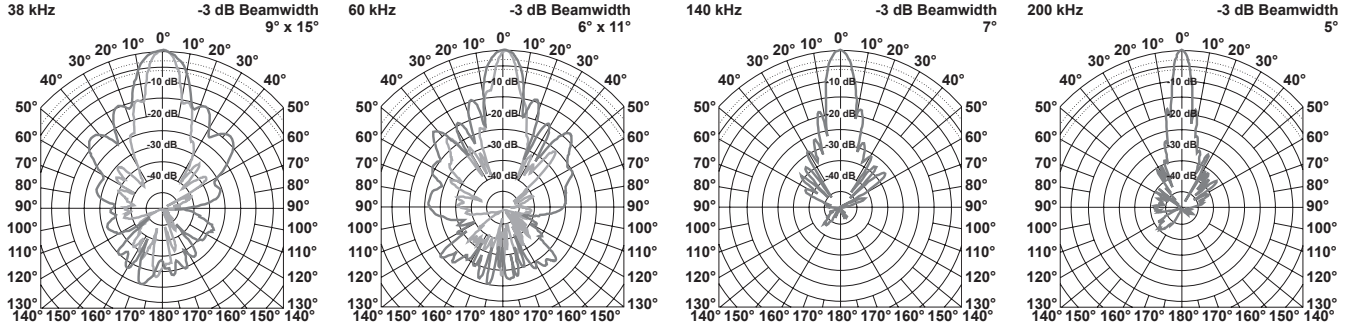
Fairing Block:
04-648-01 .....€ CALL



Stainless Stuffing Tube:
33-541-01 .....€ CALL

AIRMAR®
TECHNOLOGY CORPORATION
Sensing Technology

R209—Broadband Beam Patterns



R209—Broadband Transducers

Furuno®	41-310-1-02	Net: € CALL
	No connector, Depth and temperature Fits: Furuno dual line units	

Raymarine®	41-308-1-02	Net: € CALL
	No connector, Depth and temperature Fits: DSM400	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

R309 Broadband

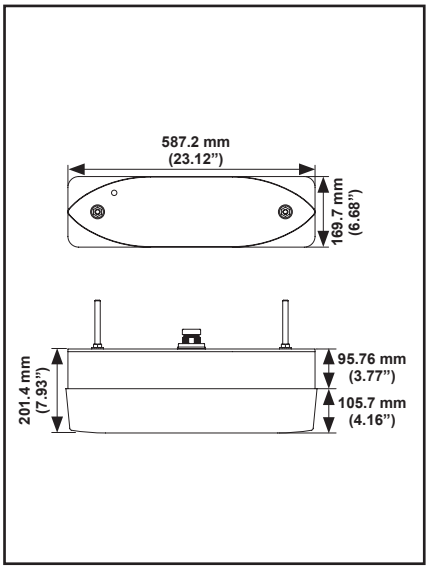


- The top performer in Airmar's professional line of fishfinder transducers
- Only 3 kW thru-hull, external-mount transducer on the market that can operate at 28 kHz, 38 kHz, or 45 kHz
- Recommended for commercial and sportfishing boats above 12 m (40')
- Depth and new fast-response water-temperature sensor
- New urethane housing
- Includes fairing and stainless steel stuffing tube

Airmar's Broadband R309 is different from its twin brother the R209, because it operates at a lower frequency range between **25 kHz to 45 kHz**. (The high-frequency range of **130 kHz to 210 kHz** is the same in both models.) The R309's frequency agility allows you to change its beamwidth and depth capabilities. The narrow high-frequency beam will display extreme bottom detail and fish holding tight to structure. The wider low-frequency beam will not only give deep-water bottom detail, but will also show you more of what is around your vessel—including bait which may attract game fish.

This powerhouse is best suited for offshore sport and commercial fishing vessels—giving 2 kW to 3kW echosounders extreme deep-water bottom detail and target discrimination. Survey vessels can also use the R309 for bottom profiling and sea-mount tracking.

Frequency: 25 to 45 kHz and 130 to 210 kHz
Cone: Adjustable
RMS Power: 2 to 3 kW



Maximum Depth Range:
HF—235 m to 353 m (800' to 1,200')
LF—914 m to 1,372 m (3,000' to 4,500')

R309—Parts and Accessories



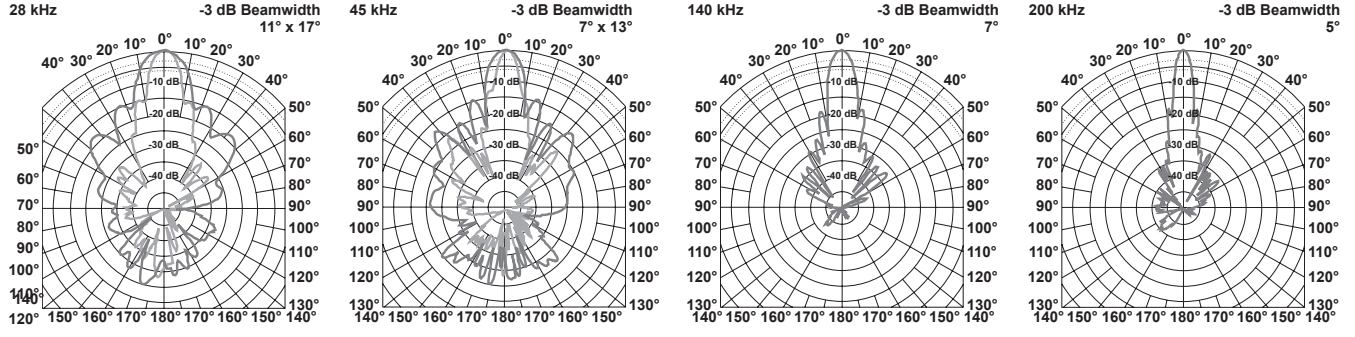
Fairing Block:
04-648-01 .....€ CALL



Stainless Stuffing Tube:
33-541-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

R309—Broadband Beam Patterns

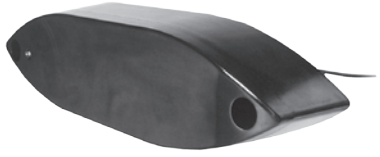


R309—Broadband Transducers

Raymarine®	41-312-1-02	Net: € CALL
	No connector, Depth and temperature Fits: DSM400	

Furuno®	41-334-1-02	Net: € CALL
	No connector, Depth and temperature Fits: Furuno dual line units	

R201—50/200 kHz, 3 kW Transducer



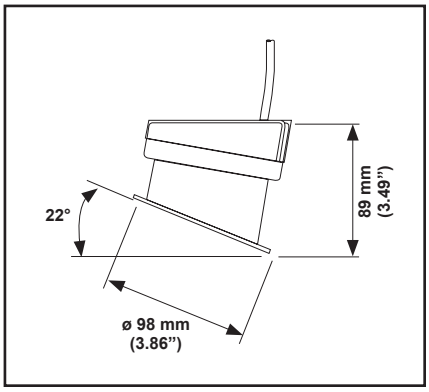
Furuno®, JRC®, Koden®	41-258-1-01	Net: € CALL
	No connector, Depth and temperature Fits: Furuno, JRC, Koden	

P79—*Good*



600 W In-Hull

- Entry-level in-hull
- 600 W power
- 50/200 kHz operation
- Mounts in a tank inside the hull—no holes to drill
- Can be installed while vessel is in the water

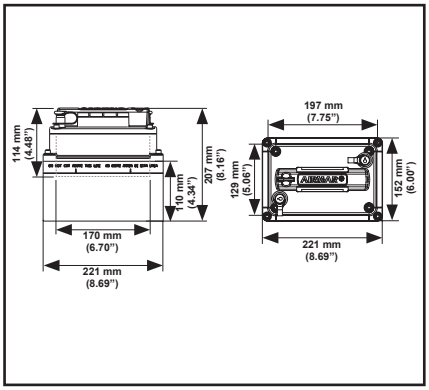


M260—*Better*



1 kW In-Hull

- In-hull version of the popular B260
- 1 kW power
- 50 and 200 kHz broadband operation
- Mounts in a tank inside the hull—no holes to drill
- Can be installed while vessel is in the water
- Flat cut on tank allows for bow-stern or port-starboard mounting

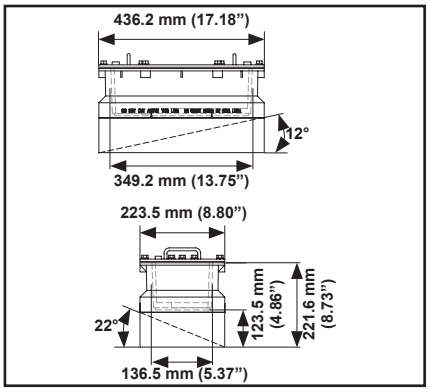


R199—*Best*

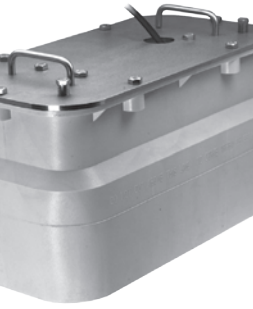


2 kW In-Hull

- Accurately distinguishes closely spaced fish and fish tight to bottom
- 2 kW power
- 50 and 200 kHz broadband operation
- Can be installed while vessel is in the water
- Flat cut on tank allows for bow-stern or port-starboard mounting

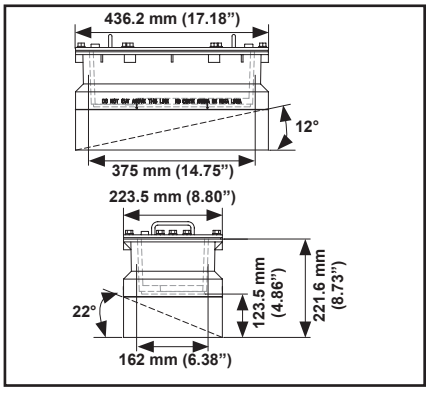


R299 & R399—*Superb*



2 to 3 kW In-Hull

- Designed for multi-frequency/tunable echosounders
- 2 to 3 kW power
- Broadband operation
- R299—Low-frequency operates anywhere between 33 to 60 kHz (wide-beam)
- R399—Low-frequency operates anywhere between 25 to 45 kHz (wide-beam)
- R299 and R399—High-frequencies operate anywhere between 130 to 210 kHz (narrow-beam)



TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

P79



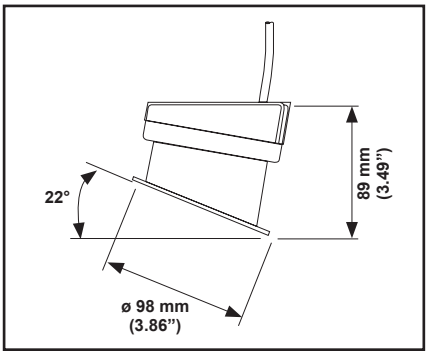
- Adjusts to hull deadrise angles from 2° to 22°
- No holes to drill
- Depth Only
- Recommended for solid fiberglass hulls
- Epoxies to aluminum hulls under 0.38 mm (0.150") thick
- Recommended for planing-hull power boats, trailered boats, rigid inflatable boats (RIBS), and racing sailboats
- No hull protrusions

Frequency: 50/200 kHz
Cone: 50 kHz—45°, 200 kHz—12°
RMS Power: 600 W

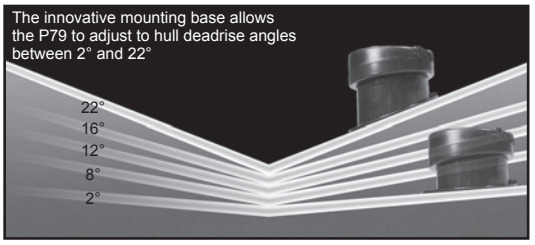
The P79 is easy-to-install, accommodating hull deadrise angles up to 22º.

1— Mount the base flange inside the hull
2— Adjust the locking ring for the correct hull deadrise angle
3— Fill the base with non-toxic anti-freeze (propylene glycol)
4— Turn and lock the transducer into the base

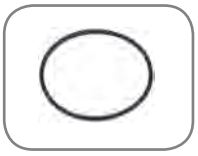
The unique adjustable-angle design ensures the beam is vertically oriented for maximum echo returns and the best possible performance. Because the transducer is mounted inside the hull, it is the perfect solution for rigid inflatable boats (RIBS) and racing sailboats.



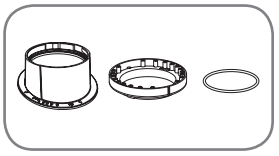
Maximum Depth Range:
50 kHz—235 m to 353 m (800' to 1,200')
200 kHz—118 m to 206 m (400' to 700')



P79—Parts and Accessories



O-Ring:
P79-ORING .....€ CALL



Replacement Flange Base Kit:
P79-FL.....€ CALL

To be used with P79 transducer only.

AIRMAR®
TECHNOLOGY CORPORATION
Sensing Technology

P79—50/200 kHz Transducers—Kit Includes Transducer and 600 W Matching Cable

Furuno®	**31-234-1-01**	**Net: € CALL**
	10-pin connector, Depth only Fits: Furuno units with 10-pin connector	

Raymarine®	**31-234-2-02**	**Net: € CALL**
	Depth only Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

JRC®, Simrad®	**31-234-5-01**	**Net: € CALL**
	7-pin connector, Depth only Fits: JRC FF-50, Simrad EQ32, 33, 34	

Black Box	**31-494-2-01**	**Net: € CALL**
	8-pin connector, Depth only Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

Lowrance®	**31-234-6-01**	**Net: € CALL**
	7-pin Blue Lowrance, Depth only Fits: Units with blue collar connector	

Generic	**31-234-1-11**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

P89

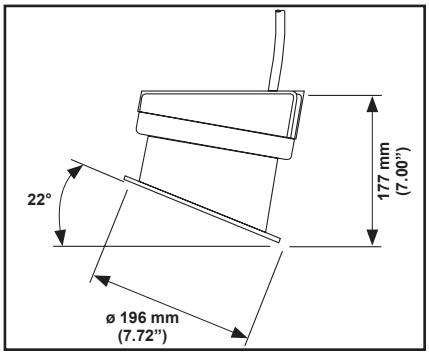
NEW
Available Q2 2009



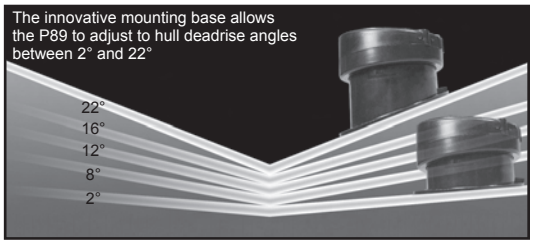
- Adjusts to hull deadrise angles from 2° to 22°
- Easily mounts inside the hull and requires no drilling or tank cutting
- Depth Only
- Economically positioned between the P79 and M260
- Performance similar to the B164
- Interfaces to any 600 W or 1 kW echo sounder
- Recommended for solid fiberglass hulls
- Non-toxic anti-freeze (propylene glycol) is used to fill the tank
- Contains an array of three dual-frequency 50/200 kHz ceramics

The new Airmar P89 is your cost-effective choice for a 1 kW, dual-frequency, in-hull transducer. Positioned between the 600 W P79 and 1 kW M260, the P89 has exciting features from both models. The unique adjustable deadrise design from the P79 eliminates the need to cut the transducer tank—making your installation quick and easy—even if the boat is in the water. This feature accommodates hull angles from 0° to 22° and ensures the beam is vertically oriented for maximum echo returns and the best possible performance. The P89, like the popular M260 is capable of handling up to 1,000 watts of echosounder power, giving you crisp detailed imaging at speeds up to 30 knots (34 MPH).

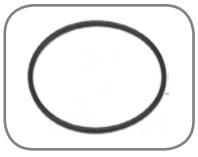
Frequency: 50/200 kHz
Cone: 50 kHz—16° x 18°
200 kHz—4°
RMS Power: 1 kW



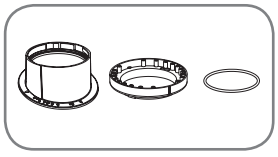
Maximum Depth Range:
50 kHz—441 m to 647 m (1,500' to 2,200')
200 kHz—183 m to 274 m (600' to 900')



P89—Parts and Accessories



O-Ring:
P89-ORING .....€ CALL



Replacement Flange Base Kit:
P89-FL.....€ CALL
To be used with P89 transducer only.

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

P89—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	TBD	Net: € CALL
	10-pin connector, Depth only Fits: Furuno units with 10-pin connector	

Raymarine®	TBD	Net: € CALL
	Depth only Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

JRC®, Simrad®	TBD	Net: € CALL
	7-pin connector, Depth only Fits: JRC FF-50, Simrad EQ32, 33, 34	

Black Box	TBD	Net: € CALL
	8-pin connector, Depth only Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	

Lowrance®	TBD	Net: € CALL
	7-pin Blue Lowrance, Depth only Fits: Units with blue collar connector	

Generic	TBD	Net: € CALL
	Depth only See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

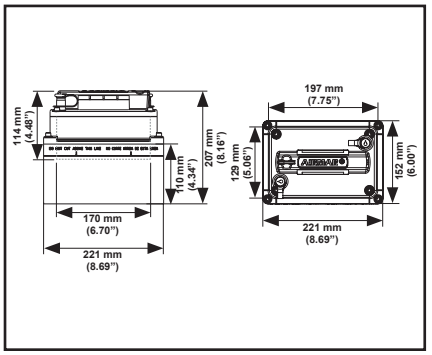
M260



- Top-of-the-line broadband, in-hull transducer
- Recommended for solid fiberglass hulls
- Depth Only
- Innovative tank design allows for bow-stern or port-starboard mounting
- Non-toxic anti-freeze (propylene glycol) is used to fill the tank
- Fiberglass resin is used to adhere tank to the hull
- Interfaces to any 600 W or 1 kW echosounder

It's true! Excellent performance can be achieved from an in-hull mounted transducer. The M260, Airmar's 1 kW in-hull, is designed with Airmar's exclusive Broadband Ceramic Technology. The 200 kHz element provides broadband performance resulting in higher-resolution without sacrificing sensitivity. Combined with a seven-element 50 kHz array, this in-hull has excellent deep-water detection. Because the M260 has narrow beams at both frequencies, separation of individual targets and the ability to distinguish between fish and the bottom makes finding fish easy.

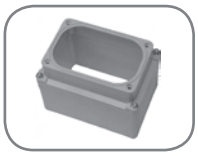
Optimal fishfinder performance no longer requires drilling a hole in the hull! The M260 is able to transmit and receive through solid fiberglass, displaying sharp detailed images. Track the bottom at speeds exceeding 30 knots (34 MPH)! Installation simply requires adhering the tank to the inside of the vessel, leaving a clean and smooth hull exterior!



Frequency: 50/200 kHz
Cone: 50 kHz—19°, 200 kHz—6°
RMS Power: 1 kW

Maximum Depth Range:
50 kHz—529 m to 735 m (1,800' to 2,500')
200 kHz—206 m to 294 m (700' to 1,000')

M260—Parts and Accessories



M260 Tank:
33-539-01 .....€ CALL

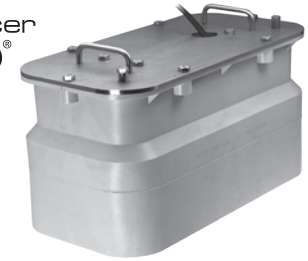
AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

M260—50/200 kHz Transducers—Kit Includes Transducer and 1 kW Matching Cable

Furuno®	**41-269-1-02**	**Net: € CALL**
	10-pin connector, Depth only Fits: Furuno units with 10-pin connector	
Furuno®	**41-270-1-02**	**Net: € CALL**
	No connector, Depth only Fits: Furuno dual line units	
Garmin®	**41-269-2-02**	**Net: € CALL**
	6-pin connector, Depth only Fits: Garmin units with 6-pin connector	
JRC®, Simrad®	**41-271-1-02**	**Net: € CALL**
	7-pin connector, Depth only Fits: JRC FF-50, Simrad EQ32, 33, 34	
Lowrance®	**41-273-1-02**	**Net: € CALL**
	7-pin Blue Lowrance, Depth only Fits: Units with blue collar connector	

Navman® / Northstar®	**41-273-2-02**	**Net: € CALL**
	6-pin connector, Depth only Fits: Navman 6-pin, Northstar M Series	
Northstar®	**41-268-1-02**	**Net: € CALL**
	No connector, Depth only Fits: 490S, 491 (1 kW), Nobeltec	
Raymarine®	**41-266-1-02**	**Net: € CALL**
	Depth only Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	
Black Box	**41-269-3-02**	**Net: € CALL**
	8-pin connector, Depth only Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	
Generic	**TBD**	**Net: € CALL**
	Depth only See: Mix and Match Cables on page 99. Specify electronics & connector when ordering.	

R199 Broadband



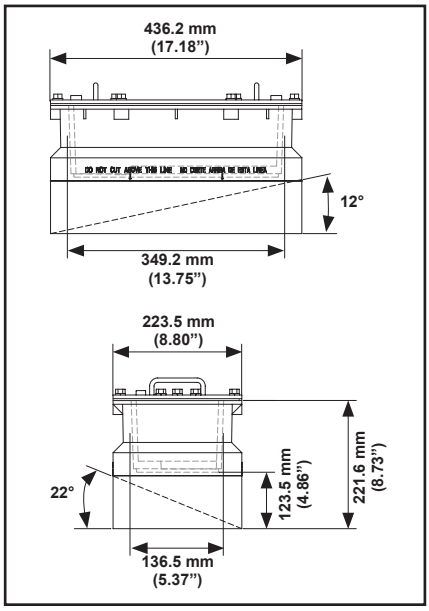
- A top in-hull performer in Airmar's professional line of fishfinder transducers for vessels 9 m (30') and up
- Only 2 kW in-hull transducer on the market that can operate at 38 kHz, 50 kHz, or 75 kHz
- Depth Only
- Super low ringing for accurate discrimination between closely spaced targets
- Recommended for solid fiberglass hulls
- Non-toxic anti-freeze (propylene glycol) is used to fill the tank
- Fiberglass resin is used to adhere tank to the hull

Maximize the performance of any 1 kW or 2 kW echosounder with the R199 in-hull transducer. Designed with Airmar's exclusive Broadband Ceramic Technology, the 130 kHz to 210 kHz ceramic provides excellent resolution without sacrificing sensitivity.

The R199 packs an 88 mm (3.5") broadband ceramic that operates between **130 kHz to 210 kHz**, and 15-elements operating at **38 kHz to 75 kHz**—just like its externally mounted cousin, the R99. This transducer is so precise that fish are no longer concealed by their surroundings!

Since the R199 can "shoot through the hull", it delivers outstanding performance with all the advantages of an in-hull design—no hole in the boat or turbulence to the propeller. And because it's an in-hull, the R199 will read clearly at high speeds. At 30 plus knots (34 plus MPH), this transducer tracks the bottom with ease.

Frequency: 38 to 75 kHz and 130 to 210 kHz
Cone: Adjustable
RMS Power: 2 kW



Maximum Depth Range:
HF—235 m to 353 m (800' to 1,200')
LF—735 m to 1,176 m (2,500' to 4,000')

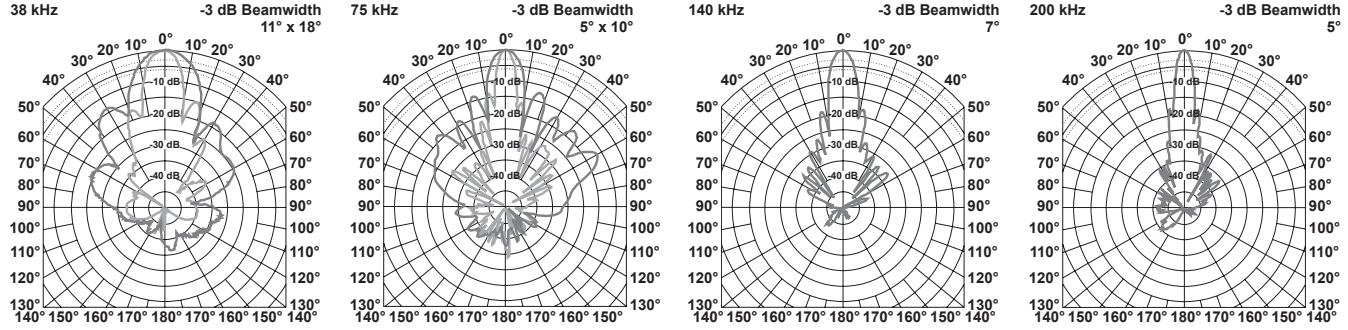
R199—Parts and Accessories



Tank Kit:
20-586-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

R199—Broadband Beam Patterns



R199—Broadband Transducers

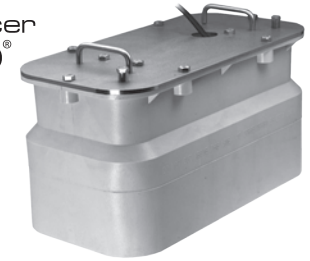
Furuno®, Raymarine®	41-285-1-02	Net: € CALL
	No connector, Depth only Fits: Furuno dual line, Raymarine DSM400	

Garmin®	41-255-1-02	Net: € CALL
	6-pin connector, Depth only Fits: Garmin GSD22	

Raymarine®	41-286-1-01	Net: € CALL
	Depth only Fits: L755, 760, 770, 1250, DSM250, 300, C/E Series	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

R299 Broadband

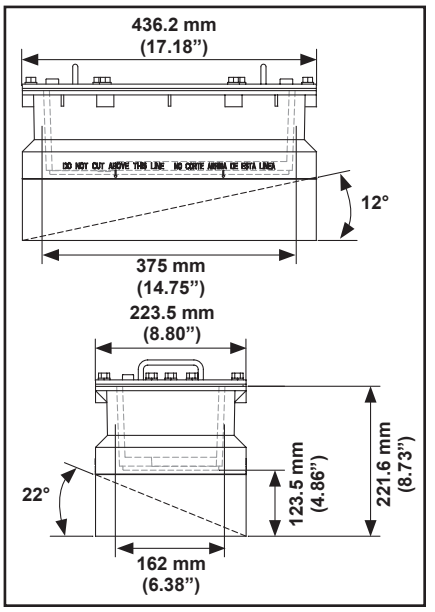


- The best in-hull performer in Airmar's professional line of fishfinder transducers for vessels 12 m (40') and up
- Only 3 kW in-hull transducer on the market that can operate at either 38 kHz or 50 kHz
- Depth Only
- Super low ringing for accurate discrimination between closely spaced targets
- Recommended for solid fiberglass hulls
- Non-toxic anti-freeze (propylene glycol) is used to fill the tank
- Fiberglass resin is used to adhere tank to the hull

Airmar's new Broadband R299 is radically different. Why? Because it operates at ANY frequency between **33 kHz to 60 kHz** and **130 kHz to 210 kHz**. Adjusting the frequency allows you to change the R299's beamwidth and depth capabilities. For example, if you are bottom fishing in 61 m (200') of water, the narrow high-frequency beam will display extreme bottom detail and fish holding tight to structure. If you are tuna or marlin fishing in deep blue water, the wider low-frequency beam will not only give deep-water bottom detail, but more importantly, show you what is around your vessel—including bait which may attract game fish.

Because the R299 can operate over a broad high and low frequency range, next generation fishfinders can be made "tunable", so fishermen can "dial-in" the best frequency for the target fish species or conditions.

Frequency: 33 to 60 kHz and 130 to 210 kHz
Cone: Adjustable
RMS Power: 2 to 3 kW



Maximum Depth Range:
HF—235 m to 353 m (800' to 1,200')
LF—914 m to 1,372 m (3,000' to 4,500')

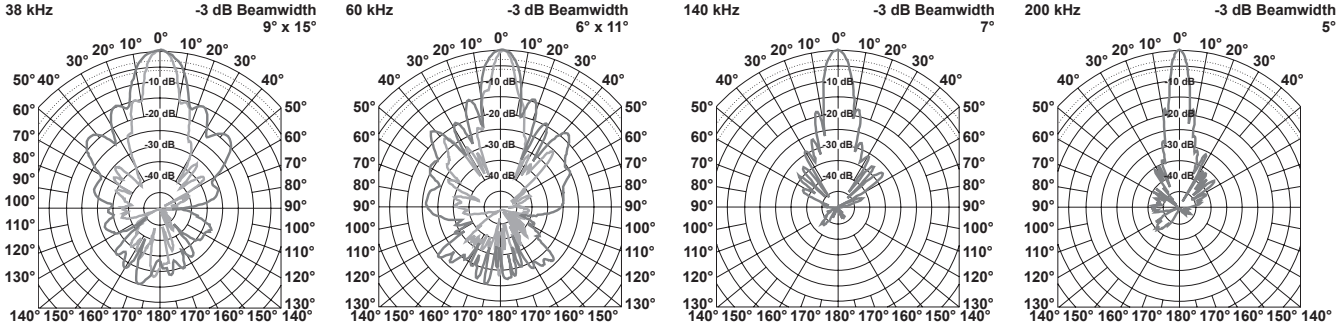
R299—Parts and Accessories



Tank Kit:
20-586-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

R299—Broadband Beam Patterns



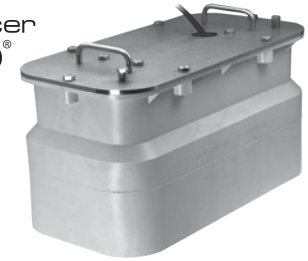
R299—Broadband Transducers

Furuno®	41-311-1-02	Net: € CALL
	No connector, Depth only Fits: Old Furuno, Si-Tex, Koden, Raytheon	

Raymarine®	41-309-1-02	Net: € CALL
	No connector, Depth only Fits: DSM400	

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R399 Broadband

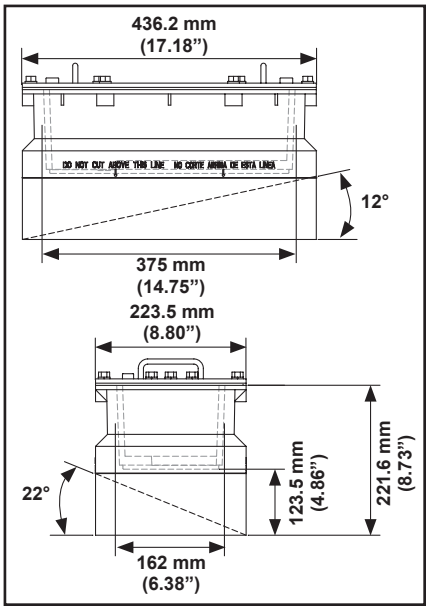


- The best in-hull performer in Airmar's professional line of fishfinder transducers for vessels 12 m (40') and up
- Only 3 kW in-hull transducer on the market that can operate at 28 kHz, 38 kHz, or 45 kHz
- Depth Only
- Super low ringing for accurate discrimination between closely spaced targets
- Recommended for solid fiberglass hulls
- Non-toxic anti-freeze (propylene glycol) is used to fill the tank
- Fiberglass resin is used to adhere tank to the hull

Airmar's new Broadband R399 is different from the R299 because it operates at lower frequencies between **25 kHz to 45 kHz** and **130 kHz to 210 kHz**. Adjusting the frequency allows you to change the R399's beamwidth and depth capabilities. For example if you are bottom fishing in 61 m (200') of water, the narrow high-frequency beam will display extreme bottom detail and fish holding tight to structure. If you are tuna or marlin fishing in deep blue water, the wider, low-frequency beam will not only give deep-water bottom detail, but more importantly show you more of what is around your vessel—including bait which may attract game fish.

Because the R399 can operate over a broad high and low-frequency range, next generation fishfinders can be made "tunable", so fishermen can "dial-in" the best frequency for the target fish species or conditions.

Frequency: 25 to 45 kHz and 130 to 210 kHz
Cone: Adjustable
RMS Power: 2 to 3 kW



Maximum Depth Range:
HF—235 m to 353 m (800' to 1,200')
LF—914 m to 1,372 m (3,000' to 4,500')

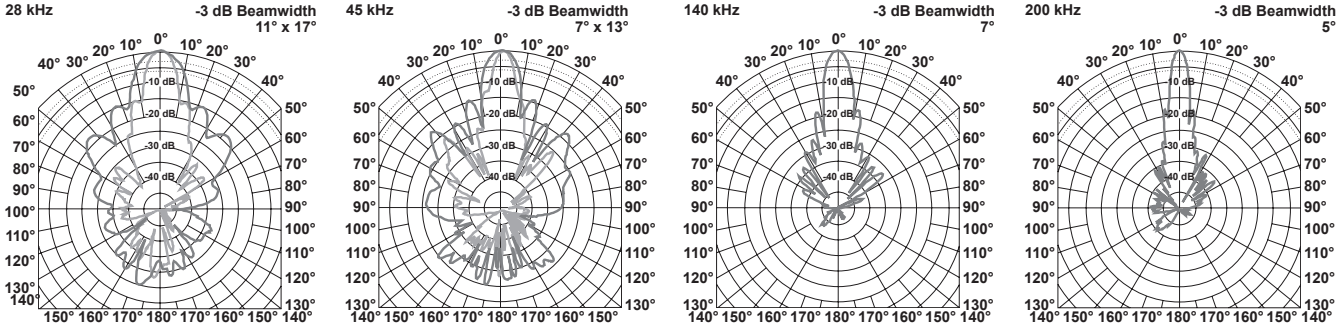
R399—Parts and Accessories



Tank Kit:
20-586-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

R399—Broadband Beam Patterns



R399—Broadband Transducers

Raymarine®	41-313-1-02	Net: € CALL
	No connector, Depth only Fits: DSM400	

Furuno®	41-335-1-02	Net: € CALL
	No connector, Depth only Fits: Old Furuno, Si-Tex, Koden, Raytheon	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

CS4500

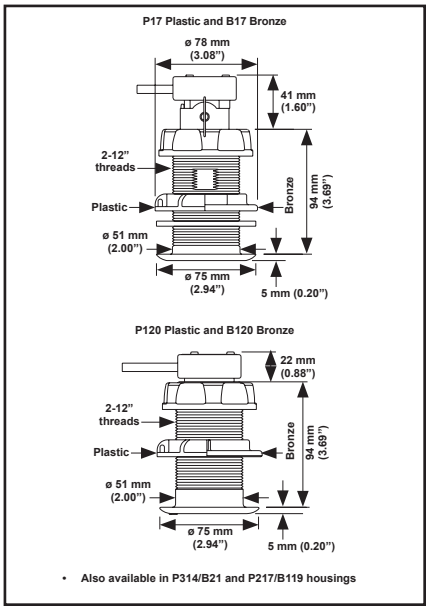


- No moving parts
- Speed and Temperature
- Unparalleled accuracy as low as 0.1 knots (0.1 MPH)
- Designed for use with all types and sizes of sailboats and powerboats
- Low-profile, plastic, or bronze housings available
- Built-in temperature sensor
- Optional Data Converter changes analog signal to NMEA 0183 data stream

Innovation at its finest! If one consistently demands the best, Airmar's CS4500 Ultrasonic Speed Sensor delivers. Ultra-accuracy is foremost! With no moving parts, the ultrasonic sensor is capable of speed reading accuracy as low as 0.1 knots (0.1 MPH). By eliminating the traditional paddlewheel, there is no fouling, and drag is reduced to a minimum. Unlike paddlewheels, the CS4500 is engineered to measure water speed below the turbulent boundary layer of the hull, resulting in accurate clean-water readings.

The innovation doesn't stop here. Ultrasonic sensing is a proven technology that has been used on ships for nearly 20 years. Building on this technology, Airmar developed an advanced design which operates at a higher-frequency, enabling reliable operation in both salt and fresh water. The state-of-the-art processor in the CS4500 calculates speed every half second, so it can respond to rapid changes in vessel speed. This translates into the most reliable and accurate ultrasonic speed sensor on the market—at a very competitive price.

Frequency: 4.5 MHz
Speed Range: 0.1 to 40 knots (0.1 to 46 MPH)
Temp Range: 0°C to 40°C (32°F to 104°F)



- Also available in P314/B21 and P217/B119 housings

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

CS4500—Ultrasonic Speed Sensors (Please specify model electronics for correct adaptor cable)



B&G®		
44-013-1-80	P17 Plastic housing	Net: € CALL
44-063-1-80	P120 Plastic housing	Net: € CALL
33-100-03	Bronze housing	Net: € CALL
33-617-01	Stainless steel housing	Net: € CALL
33-347-01	Cable—No connector (Hercules, Hydra)	Net: € CALL



Raymarine®		
44-013-1-80	P17 Plastic housing	Net: € CALL
44-063-1-80	P120 Plastic housing	Net: € CALL
33-100-03	Bronze housing	Net: € CALL
33-617-01	Stainless steel housing	Net: € CALL
33-546-01	Cable—Spade connector	Net: € CALL



Furuno®		
44-013-1-80	P17 Plastic housing	Net: € CALL
44-063-1-80	P120 Plastic housing	Net: € CALL
33-100-03	Bronze housing	Net: € CALL
33-617-01	Stainless steel housing	Net: € CALL
33-459-01	Cable—6-pin connector	Net: € CALL



Simrad®, Ockham®, Tacktick®		
44-013-1-80	P17 Plastic housing	Net: € CALL
44-063-1-80	P120 Plastic housing	Net: € CALL
33-100-03	Bronze housing	Net: € CALL
33-617-01	Stainless steel housing	Net: € CALL
33-458-01	Cable—No connector	Net: € CALL



Garmin®		
44-013-1-80	P17 Plastic housing	Net: € CALL
44-063-1-80	P120 Plastic housing	Net: € CALL
33-100-03	Bronze housing	Net: € CALL
33-617-01	Stainless steel housing	Net: € CALL
33-505-01	Cable—6-pin connector	Net: € CALL



Universal NMEA Box	
33-555-01	Net: € CALL

Universal NMEA speed and temperature converter accepts an analog speed and temperature input and converts it to NMEA 0183 that can be sent to any NMEA capable instrument. Typically used to convert CS4500 for use with NMEA instruments.

www.airmar-emea.com

DST900EM Smart™ Sensor

NEW
Available Q2 2009

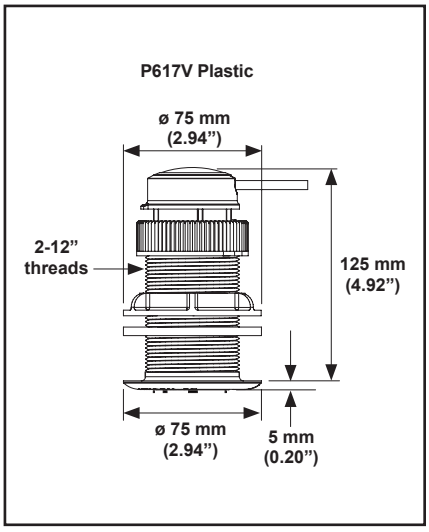


- No moving parts
- Depth, Speed, and Temperature
- Capable of accurate readings at very low speeds
- Designed for use with all fiberglass and metal sailboats and powerboats
- Available in plastic low-profile housing only
- NMEA 0183 and NMEA 2000® versions
- Response time comparable to GPS speed
- Retrofits into existing Airmar P17 housing
- Power consumption—175 mA at 12 VDC

Supply Voltage: 9 VDC to 16 VDC
Speed Range: 0.1 to 39 knots (0.1 to 45 MPH)

Airmar's newest Smart™ product, the DST900EM, ST900EM Electro-Magnetic Speed Sensor creates a magnetic field in the water to precisely measure vessel speed. Speed is measured by a voltage created through the conductive properties of water, combined with the forward motion of a vessel.

With no moving parts, the Electro-Magnetic Speed Sensor is capable of accurate readings at very low speeds [<1 knot (<1.1 MPH)] and high speeds up to 50 knots (57 MPH). By eliminating the traditional paddlewheel, there is no fouling, and drag is reduced to a minimum due to the low-profile housing. The state-of-the-art processor makes a calculation every second, so it can respond quickly to rapid changes in vessel speed. This data can be sent to your electronics via a single cable in either simulated paddlewheel or NMEA formats. Charge up your electronics with the Airmar Electro-Magnetic Speed Sensor.



AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

DST900EM, ST900EM—Electro-Magnetic Sensors

Airmar®	TBD	Net: € CALL
	Depth, speed, and temperature Fits: NMEA 2000® network	

Airmar®	TBD	Net: € CALL
	No connector, P617V plastic housing Speed and temperature Fits: NMEA 0183 instruments	

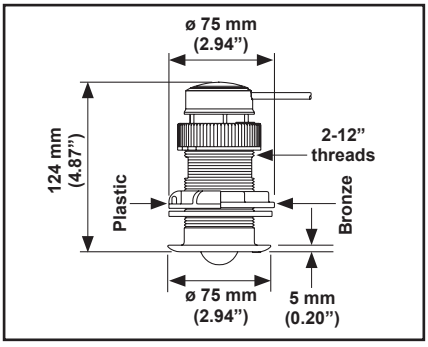
ST800



AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

- Speed and Temperature
- Thru-hull, low-profile housing
- Designed with self-closing valve. Stops most waterflow upon removal of insert.

Supply Voltage: 5 VDC to 25 VDC
Speed Range: 2 to 45 knots (2 to 52 MPH)



ST800—Speed & Temperature Sensors

Airmar®	31-487-5-01	Net: € CALL
	No connector, P120 plastic housing Speed and temperature	

Airmar®	31-487-2-04	Net: € CALL
	No connector, B120 bronze housing Speed and temperature	

C-Map®, Seiwa®	31-005-2-01	Net: € CALL
	8-pin connector, P120 plastic housing Speed and temperature	

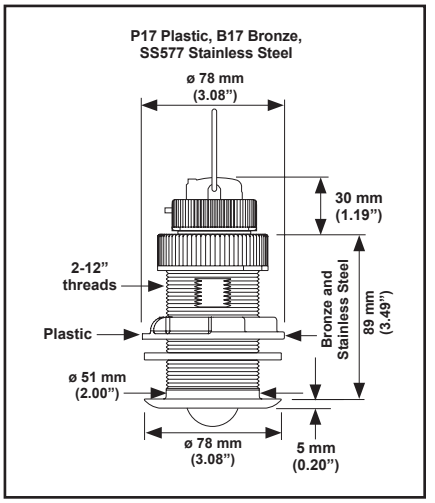
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

ST850



- Speed and Temperature
- Thru-hull, low-profile housing
- Designed with self-closing valve. Stops most waterflow upon removal of insert.

Supply Voltage: 5 VDC to 25 VDC
Speed Range: 2 to 45 knots (2 to 52 MPH)



ST850—Parts and Accessories



Spare Paddlewheel and Valve Kit:
33-536-01 .....€ CALL



Blanking Plug Kit:
33-522-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

ST850—Speed & Temperature Sensors—Kit Includes Transducer and 600 W Matching Cable

Generic	31-590-4-41	Net: € CALL
	Speed and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

Navico®	31-590-12-41	Net: € CALL
	Y cable, Speed and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

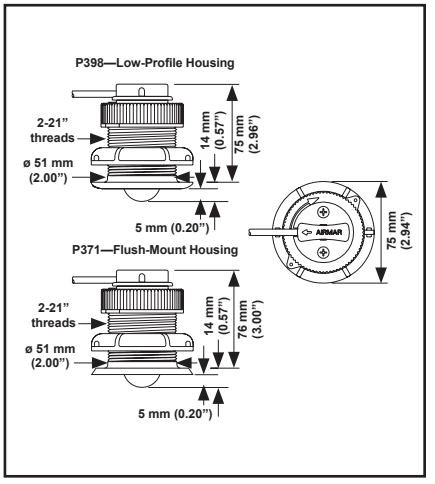
ST300 Shorty™ Sensor



The ST300 speed and temperature sensors are Airmar's lowest cost and shortest, thru-hull speed sensors. As part of Airmar's Shorty™ Series, they are designed for boats with low headroom. The low-profile outer housing option is nearly flush and minimizes drag with only 5 mm (3/16") extending outside the hull.

- Speed and Temperature
- Shorty series designed for fiberglass hulls with low headroom
- Designed for use with all fiberglass and metal sailboats and powerboats
- Right angle cable exit offers low headroom and protection when transducer is stepped on
- Self-closing sea valve reduces waterflow when paddlewheel is removed for cleaning
- Fins on sides of paddlewheel cavity provide improved accuracy in cross-flow conditions
- Available in a plastic housing only

Supply Voltage: 5 VDC to 25 VDC
Speed Range: 2 to 45 knots (2 to 52 MPH)



ST300—Parts and Accessories



Spare Paddlewheel and Valve Kit:
33-350-01 .....€ CALL



Blanking Plug Kit:
33-386-01 .....€ CALL

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

ST300—Speed & Temperature Sensor

Airmar®	31-256-2-42	Net: € CALL
	No connector, Speed and temperature Fits: Hardwire units; 9 m (29.5') cable	

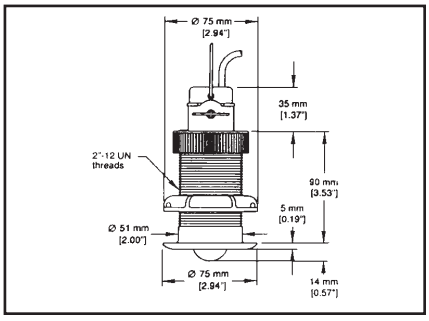
ST600, ST650



- Speed and Temperature
- Plastic, thru-hull, low-profile housing
- Designed with self-closing valve. Stops most waterflow upon removal of insert.
- Usable shaft length: ~57 mm (2.25")

Supply Voltage: 5 VDC to 25 VDC
Speed Range: 4 to 45 knots (2 to 52 MPH)

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



ST600, ST650—Speed & Temperature Sensors—Kit Includes Transducer and Matching Cable

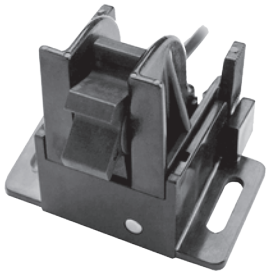
Airmar®	**31-275-2-41 (ST650)**	**Net: € CALL**
	No connector, P17 plastic housing Speed and temperature	

Furuno®	**31-590-2-51 (ST650)**	**Net: € CALL**
	6-pin connector, B17 bronze housing Speed and temperature	

Furuno®	**31-590-2-41 (ST650)**	**Net: € CALL**
	6-pin connector, P17 plastic housing Speed and temperature	

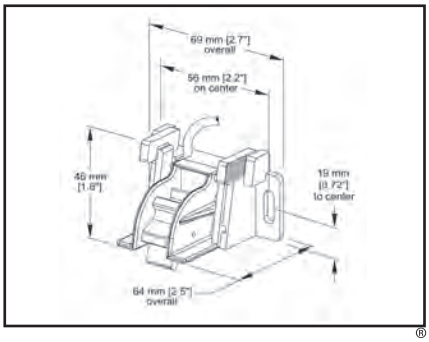
Generic	**31-250-8-41 (ST600)**	**Net: € CALL**
	Speed and temperature See: Mix and Match Cables on page 98. Specify electronics & connector when ordering.	

ST61



- Speed and Temperature
- Provides accurate, linear pulse output
- Cable can exit through the top of the housing or forward through the hull
- Paddlewheel carriers are easy and inexpensive to replace

Supply Voltage: 5 VDC to 25 VDC
Speed Range: 1 to 50 knots (1 to 58 MPH)



ST61—Speed & Temperature Sensor

Airmar®	**31-601-5-40**	**Net: € CALL**
	No connector, P17 plastic housing Speed and temperature	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

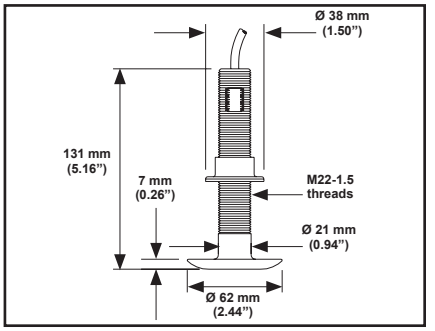
T42



- Bronze, thru-hull, analog temperature
- 10,000 ohm thermistor

Supply Voltage: 6 VDC to 28 VDC
Supply Current: 30 mA maximum
Temp Range: 0°C to 30°C (32°F to 86°F)

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



T42—Analog Temperature Sensor

Airmar®	31-461-2-01	Net: € CALL
	No connector, Temperature only Fits: Any unit requiring 10k ohm thermistor	

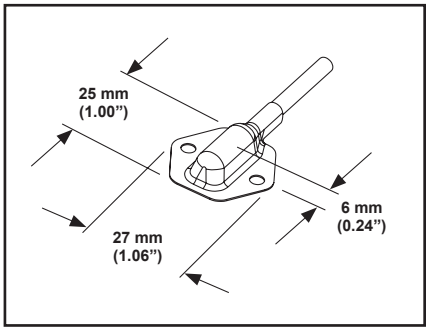
T80



- Transom-Mount
- Analog temperature sensor

Type Thermistor: 10,000 ohms
Temp Range: 0°C to 30°C (32°F to 86°F)

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



T80—Analog Temperature Sensors

Airmar®	31-039-9-01	Net: € CALL
	No connector, P617 plastic housing Temperature only Fits: Any unit requiring 10k ohm thermistor	

Garmin®	31-596-1-01	Net: € CALL
	Y-cable, Temperature only Fits: All units capable of temperature	

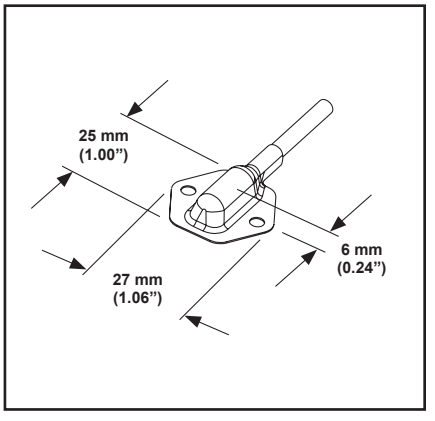
T80 Smart™ Sensor



- Transom-Mount
- Smart™ temperature sensor with interface box

Type Thermistor: 10,000 ohms
Temp Range: 0°C to 30°C (32°F to 86°F)

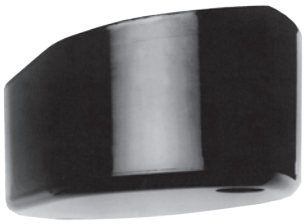
AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



T80—Smart™ Temperature Sensor

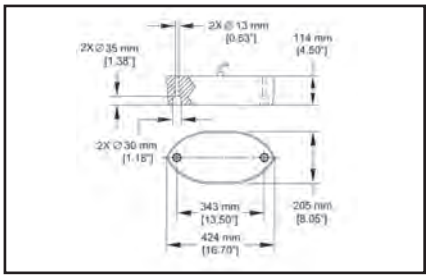
Airmar®	33-555-01	Net: € CALL
	No connector, Temperature only Fits: Units with NMEA 0183 input port	

M42



- Commercial fishing
- Navigation survey

Frequency: 38 kHz
Cone: 10° x 12°
RMS Power: 2.2 kW



M42—38 kHz Transducer

Various	41-056-1-01	Net: € CALL
	No connector, Depth only Fits: Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

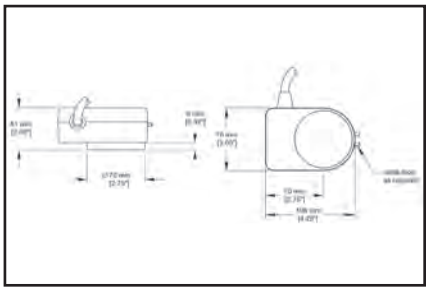
M153



- Commercial fishing
- Trawl-mount

Frequency: 50 kHz
Cone: 46°
RMS Power: 600 W

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



M153—50 kHz Transducer

Various	41-740-1-01	Net: € CALL
	No connector, Depth only Fits: Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

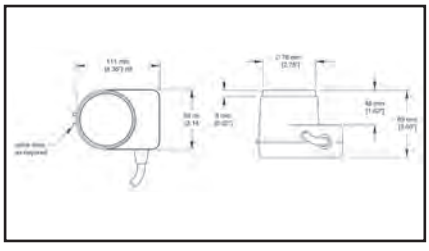
M157

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



- Commercial fishing
- Trawl-mount

Frequency: 33 kHz and 38 kHz
Cone: 33 kHz—54°, 38 kHz—53°
RMS Power: 350 W



M157—33 kHz Transducer

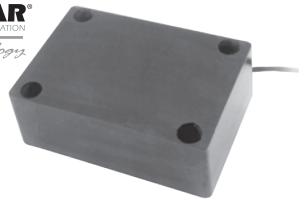
Koden®	41-741-1-01	Net: € CALL
	No connector, Depth only Fits: Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C	

M157—38 kHz Transducer

Various	30-896	Net: € CALL
	No connector, Depth only Fits: Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

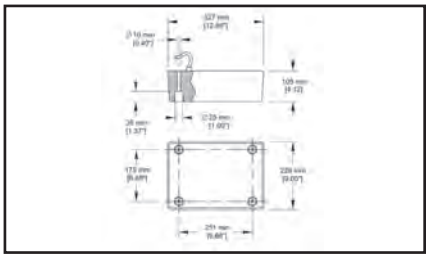
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

M175



- Commercial fishing
- Navigation survey

Frequency: 28 kHz to 38 kHz
Cone: 28 kHz—13°, 38 kHz—18°
RMS Power: 3 kW



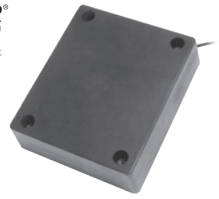
M175—28 kHz Transducer

Koden®	30-830	Net: € CALL
	No connector, Depth only Fits: Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C	

M175—38 kHz Transducer

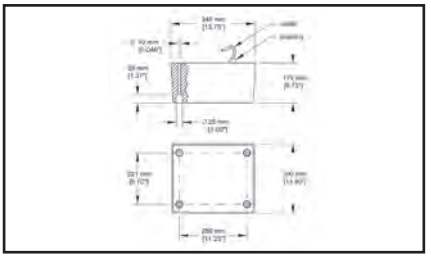
Various	30-849	Net: € CALL
	No connector, Depth only Fits: Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

M176



- Commercial fishing
- Navigation survey

Frequency: 28 kHz, 38 kHz
Cone: 28 kHz—25°, 38 kHz—32°
RMS Power: 3 to 4 kW



M176—28 kHz Transducer

Koden®	41-786-1-01 (3 kW)	Net: € CALL
	No connector, Depth only Fits: Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

M176—38 kHz Transducer

Various	30-832 (4 kW)	Net: € CALL
	No connector, Depth only Fits: Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

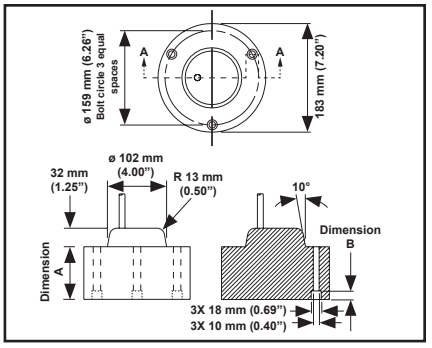
M192



- Commercial fishing
- Navigation survey

Frequency: 33 kHz to 50 kHz
Cone: 33 kHz—19°, 50 kHz—13°
RMS Power: 1 to 2 kW

Configuration	Dimension A	Dimension B
A	110 mm (4.32")	34 mm (1.34")
B, C, and D	90 mm (3.56")	15 mm (0.59")



M192—33 kHz Transducer

Various	41-070-1-01	Net: € CALL
	No connector, Depth only Fits: Atlas, Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

M192—50 kHz Transducer

Various	41-159-1-01	Net: € CALL
	No connector, Depth only Fits: —	

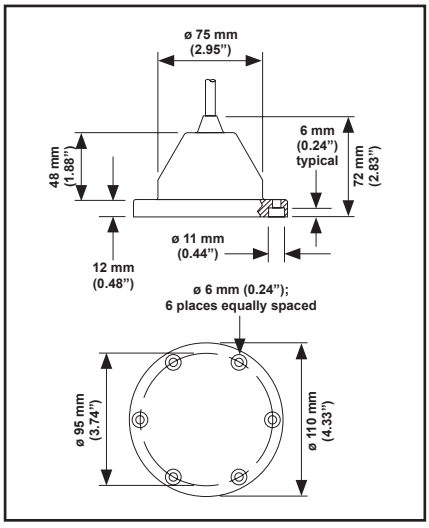
M194



- Shallow-water survey

Frequency: 200 kHz
Cone: 8°
RMS Power: 500 W

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Sensing Technology



M194—200 kHz Transducer

Atlas®	41-203-1-01	Net: € CALL
	No connector, Depth only Fits: —	

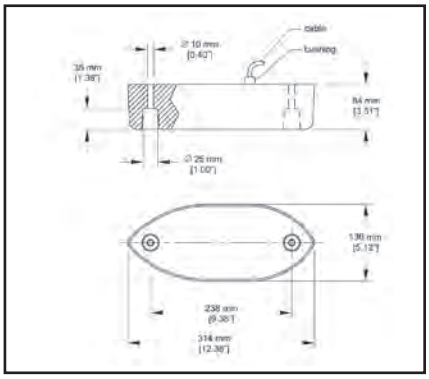
R155



- Commercial fishing
- Navigation survey
- Yellow grouping = 50 kHz
- 50 kHz = 7-elements x 35 mm (1.38")
- 200 kHz = 1-element x 76 mm (3")

Frequency: 50/200 kHz
Cone: 50 kHz—16°, 200 kHz—5°
RMS Power: 1.2 kW

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Sensing Technology



R155—50/200 kHz Transducers

JRC®, Simrad®	41-127-1-01	Net: € CALL
	7-pin connector, Depth only Fits: Simrad 40 Series, 50 Series	

Various	41-111-1-01	Net: € CALL
	No connector, Depth only Fits: Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

R155—50 kHz Transducers

JRC®, Simrad®	30-843	Net: € CALL
	No connector, Depth only Fits: Simrad 40 Series, 50 Series	

Various	41-722-1-21 (2 kW)	Net: € CALL
	No connector, Depth only Fits: Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

R155—200 kHz Transducers

Various	41-R155 (2 kW)	Net: € CALL
	No connector, Depth only Fits: Furuno, JRC, Si-Tex	

Various	41-189-1-01	Net: € CALL
	No connector, Depth only Fits: Echotec CV980, CV1000; Furuno FCV381, 382, 1000; JRC JFV86, 90; Koden CVS802, 812C, 8812C, 8814C, 8822C, 8832C; Raytheon V860, JFV90; Skipper CS825	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

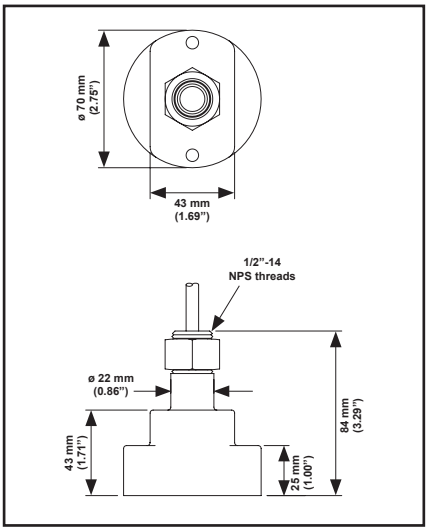
SS510



- Shallow-water survey

Frequency: 200 kHz
Cone: 9°
RMS Power: 500 W

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



SS510—200 kHz Transducer

Knudsen® Odom	41-200-1-01	Net: € CALL
	No connector, Depth only Fits: Knudsen Odom, and others	

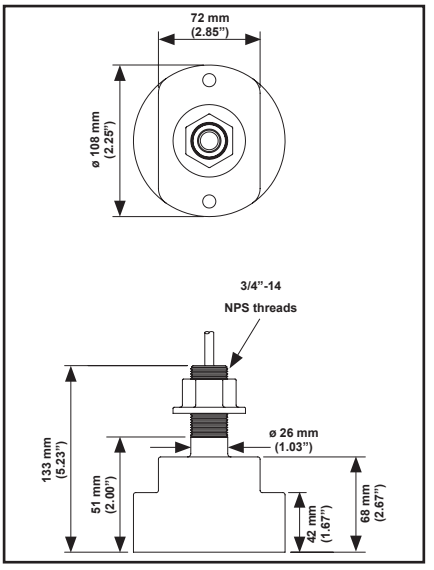
SS538



- Shallow-water survey

Frequency: 200 kHz
Cone: 5°
RMS Power: 2 kW

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



SS538—200 kHz Transducer

Knudsen® Odom	41-304-1-01	Net: € CALL
	No connector, Depth only Fits: Knudsen Odom, and others	

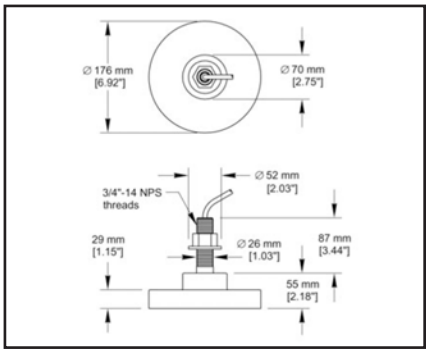
SS549



- Shallow-water survey

Frequency: 200 kHz
Cone: 6°
RMS Power: 2 kW

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



SS549—200 kHz Transducer

Knudsen® Odom	41-252-1-01	Net: € CALL
	No connector, Depth only Fits: Knudsen Odom, and others	

Subcon® Extension Cable for Navigation & Survey Transducers

Subcon®	30-060-02	Net: € CALL
Cable Length: 30 m (10')		

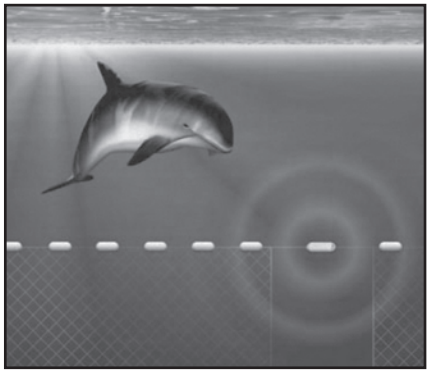
Gillnet Pinger



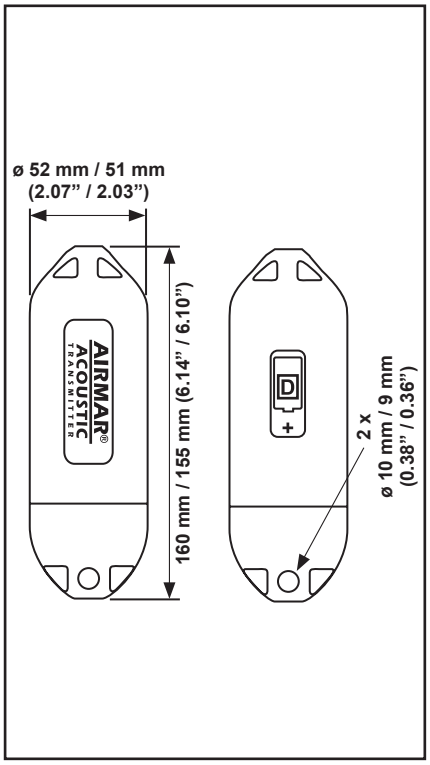
- Over one-year of continuous operation from a single "D" cell alkaline battery
- Designed for placement every 91 m (300') at bridles and net ends
- Can withstand depths over 150 fathoms
- Weighs just 0.4 kg (0.9 lb) with battery
- Housing construction from impact-resistant plastic alloy for durability
- Compact-size and competitively priced

The Gillnet Pinger is designed to save the lives of marine mammals, particularly the harbor porpoise, by warning that a gillnet is present. Our streamlined, rugged design with double o-rings and a single battery provide a virtually maintenance-free device.

Airmar pingers are active devices. They emit low-level sonar pulses that can be detected by mammals within a 91 m (300') radius. When attached to the top of a gillnet at regular intervals, mammals can avoid becoming entangled.



Operating Specifications
Frequency: 10 kHz
Duration: 300 ms
Repeat Interval: 4 s
Sound Level: 132 dB (1μPa_{ms}@1m)
Battery Life: At least one year
Power Source: One D-cell alkaline battery



AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

Gillnet Pinger—10 kHz Transducer

42-023-2	Net: € CALL

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

P17



33-417	Net: € CALL

P17 plastic low-profile housing

Fits: Airmar P17 depth insert, ST550, ST650, ST850, and Smart™ Sensors

B17



33-100-03	Net: € CALL

B17 bronze low-profile housing

Fits: Airmar P17 depth insert, ST550, ST650, ST850, and Smart™ Sensors

SS577



33-495-01	Net: € CALL

SS577 stainless steel low-profile housing

Fits: Airmar P17 depth insert, ST550, ST650, ST850, and Smart™ Sensors

P617V



33-510-01	Net: € CALL

P617V plastic low-profile housing with integrated valve assembly

Fits: Airmar DT800, DST800, and Smart™ Sensors

B617V



20-478-06	Net: € CALL

B617V bronze low-profile housing with integrated valve assembly

Fits: Airmar DT800, DST800, and Smart™ Sensors

SS617V



33-617-01	Net: € CALL

SS617V stainless steel low-profile housing with integrated valve assembly

Fits: Airmar DT800, DST800, and Smart™ Sensors

P314



33-092-02	Net: € CALL

P314 plastic taper-flush housing

Fits: Airmar P17 depth insert, ST550, ST650, ST850, and Smart™ Sensors

B21



33-224-02	Net: € CALL

B21 bronze taper-flush housing

Fits: Airmar P17 depth insert, ST550, ST650, ST850, and Smart™ Sensors

P217



33-217	Net: € CALL

P217 plastic square-lip flush housing

Fits: Airmar P17 depth insert, ST550, ST650, ST850, and Smart™ Sensors

www.airmar-emea.com

ST600, ST800—P



33-340-02	Net: € CALL

ST600, ST80 plastic low-profile housing with integrated valve

Fits: Raymarine, Autohelm speed and temperature units only

P8



33-360-01	Net: € CALL

Shorty™ Sensor low-profile depth housing

Fits: P8 speed and speed and temperature

ST300



33-360-01	Net: € CALL

Shorty™ Sensor taper-flush speed and temperature housing with valve assembly

Fits: ST300 speed and speed and temperature

P120



33-340-02	Net: € CALL

P120 plastic, low-profile housing

Fits: Airmar CS4500, ST800

B120



33-340-01	Net: € CALL

B120 bronze, low-profile housing

Fits: Airmar CS4500, ST800

P371

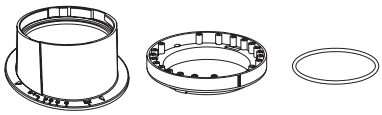


33-416	Net: € CALL

P371 plastic, low-profile housing with ST300 valve assembly

Fits: Airmar

P79



33-268-01	Net: € CALL

In-hull housing

Fits: P79

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

ST600, ST610



20-600	Net: € CALL

Fits: Raymarine ST600, ST610 speed and temperature sensor

ST650



33-376-01	Net: € CALL

Fits: ST600 speed and temperature sensor

ST300



20-288-01	Net: € CALL

Fits: ST300 speed and temperature sensor

ST550, P17



33-414-03	Net: € CALL

Fits: ST550, ST100 speed and temperature sensors and P17, P217, P314, B17, B21, B119 depths sensors. Has plastic cap nut.

ST800



33-481-01	Net: € CALL

Fits: ST800 speed and temperature sensors

D800, DT800



33-352-01	Net: € CALL

Fits: D800, DT800 depth sensors

DST800, P617



33-486-01	Net: € CALL

Fits: DST800 and P617 sensors

P8



33-487-01	Net: € CALL

Fits: P8 depth sensors

ST850



33-522-01	Net: € CALL

Fits: ST850 blanking plug kit

DST800V



33-538-01	Net: € CALL

Fits: DST800 depth, speed, and temperature sensors with valve

B122



20-550-1	Net: € CALL

Fits: B122

www.airmar-emea.com

B17, B744V, B744VL



02-030	Net: € CALL

Bronze hull nut
Fits: B17, B122, B21, B22, B44V, B744V, B744VL, 400, 403, 408B

P17, DST800, P319



04-004	Net: € CALL

Plastic hull nut
Fits: ST850, ST650, ST600, P217, P314, P319

B45, B38, B46



02-031-3	Net: € CALL

Bronze hull nut
Fits: B38, B45, B46

B256, B258



20-222-03	Net: € CALL

Bronze hull nut
Fits: B256, B258

B250, B260



02-036-2	Net: € CALL

Bronze hull nut
Fits: B250, B260

SS555



20-299-01	Net: € CALL

Stainless steel hull nut
Fits: SS555

B60



20-133-01	Net: € CALL

Bronze hull nut
Fits: B60

SS164, SS264



20-136-01	Net: € CALL

Stainless steel hull nut
Fits: SS164, SS264W, SS264N

B164



20-136-02	Net: € CALL

Bronze hull nut
Fits: B164

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

CS4500 Cap Nut



02-131-01	Net: € CALL

Bronze cap nut
Fits: B122, CS4500

B744V, ST850, P17



04-234-1	Net: € CALL

Plastic cap nut
Fits: B44V, B744V, B744VL, ST850, ST650, ST800, ST600, ST600, ST300, P8, P17, P217, P314, B17, B21, B120, SS557

51 mm (2”) Spacer



04-646-01	Net: € CALL

Hull Spacer
Fits: 51 mm (2”) low-profiles

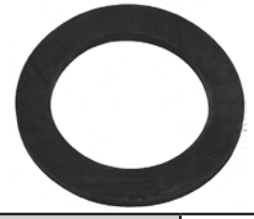
B164 Spacer



20-618-02	Net: € CALL

Hull Spacer
Fits: B164, SS164, SS264W, SS264N

B60 Washer



09-813-01	Net: € CALL

Rubber Washer
Fits: B60

B17, P17 Washer



09-452	Net: € CALL

Rubber washer
Fits: 51 mm (2”) low-profiles

B164 Bushing



09-452	Net: € CALL

Isolation bushing
Fits: B164, SS164, SS264W, SS264N

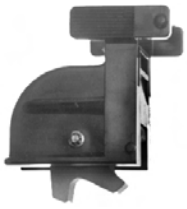
SS555 Bushing



04-186-1	Net: € CALL

Isolation bushing
Fits: SS555

P37, P52, P55, S61

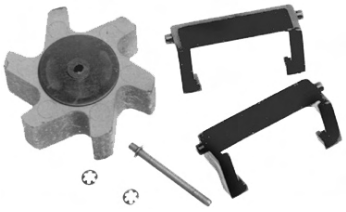


33-105-03 | **Net: € CALL**

Transom paddlewheel and carrier

Fits: BP37, P52, P55, and S61 multi-function transducers and speed sensors with detachable paddlewheel assembly

S61, S63



33-110-02 | **Net: € CALL**

Transom speed repair kit for S61 (can also use complete 33-105) and S63 transom paddlewheel speed sensors with cable

Contains:
- 1 paddlewheel and shaft
- 4 o-rings
- 2 yokes with shear pins (for S63 use only)

P58



33-492-01 | **Net: € CALL**

Contains all wearing parts of the transom wheel for the P58 TRIDUCER® Multisensor

Contains:
- 1 paddlewheel and shaft
- 1 paddlewheel cover

Old P66



33-346-02 | **Net: € CALL**

Complete transom wheel assembly for pre 2004 style P66 TRIDUCER® Multisensor

Contains:
1 paddlewheel and carrier with all parts necessary for replacement

Note: Please compare wheels. Newer P66's use #33-346-03 kit.

New P66



33-346-03 | **Net: € CALL**

Complete transom wheel assembly for 2004 and newer P66 TRIDUCER® Multisensor

Contains:
1 paddlewheel and carrier with all parts necessary for replacement

Note: Please compare wheels. Earlier P66's use #33-346-01 kit.

P39



33-473-01 | **Net: € CALL**

Complete transom wheel assembly for P39 TRIDUCER® Multisensor

Contains:
1 paddlewheel and carrier with all parts necessary for replacement

New P32



33-007 | **Net: € CALL**

Transom spares kit for 2004 and newer P32 TRIDUCER® Multisensor

Contains:
- 1 paddlewheel and shaft

P65, S69



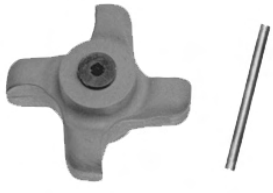
33-096-01 | **Net: € CALL**

Complete transom spares kit for P65 TRIDUCER® Multisensor

Fits: P65, S69

Contains:
- 1 paddlewheel and shaft

P65, ST69



31-398-02 | **Net: € CALL**

Transom spares kit for ST69 speed and temperature sensor and P65 TRIDUCER® Multisensor

Contains:
- 1 paddlewheel and shaft

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

DST800



33-398-04	Net: € CALL

Thru-hull spares kit for DST800 TRIDUCER® Multisensor

Contains:
- 1 paddlewheel and shaft
- 4 o-rings

B744V



33-113	Net: € CALL

Thru-Hull TRIDUCER® Multisensor spares kit. Contains all wearing parts in the paddlewheel and plug assembly

Fits: B44V, B66V, B66VL, B744V, B744VC B744VCL, ST650, ST850, Datamarine ASTX-20NTH

Contains:
- 1 paddlewheel and shaft
- 4 o-rings

S200, ST200



33-114	Net: € CALL

Contains all wearing parts in the paddlewheel and plug assembly

Fits: S200, ST200

Contains:
- 1 paddlewheel and shaft
- 4 o-rings

Note: **Not** for use with TRIDUCER® Multisensor

Old B744V



33-218	Net: € CALL

Thru-Hull TRIDUCER® Multisensor spares kit. Contains all wearing parts in the paddlewheel and plug assembly

Fits: B44V, B66V, B744V, B744VL

Contains:
- 1 paddlewheel and shaft
- 4 o-rings
- 1 valve assembly
- 2 pull rings

New B744V



33-535-01	Net: € CALL

Thru-Hull TRIDUCER® Multisensor spares kit. Contains all wearing parts in the paddlewheel and plug assembly

Fits: B744VC, B744VLC (small cap no clevis pin)

Contains:
- 1 paddlewheel and shaft
- 4 o-rings
- 1 valve assembly
- 2 pull rings

ST600, ST700



33-250-02	Net: € CALL

Thru-hull spares kit. Contains all wearing parts in the paddlewheel assembly.

Fits: Raymarine ST600, ST700

Contains:
- 1 paddlewheel and shaft
- 6 o-rings
- 1 valve
- 1 retaining ring

S300, ST300



33-350-01	Net: € CALL

Thru-hull spares kit. Contains all wearing parts in the paddlewheel and blanking plug assemblies.

Fits: S300, ST300

Contains:
- 1 paddlewheel and shaft
- 2 sets of o-rings

S650, ST650



33-415-02	Net: € CALL

Thru-hull spares kit for S650, ST650. Contains all wearing parts in the paddlewheel and blanking plug assemblies.

Contains:
- 1 paddlewheel and shaft
- 4 o-rings
- 1 valve sleeve

Note: **Not** for Raymarine ST600 and ST650. ST650 uses a clevis pin.

S800, ST800



33-493-01	Net: € CALL

Thru-hull spares kit for S800, ST800. Contains all wearing parts in the paddlewheel and blanking plug assemblies.

Contains:
- 1 paddlewheel and shaft
- 2 o-rings
- 1 valve sleeve
- 1 retaining ring

Note: **Not** the same as the ST600

S850, ST850



33-536-01	Net: € CALL

Thru-hull spares kit for S850, ST850. Contains all wearing parts in the paddlewheel and plug assemblies.

Contains:
- 1 paddlewheel and shaft
- 4 o-rings
- 1 valve sleeve

Note: **Not** for Raymarine ST600 and ST800. ST650 uses a clevis pin.

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

P66



33-479-01	Net: € CALL

Fits: Newer style P66 transducers
Identifier: Horseshoe shaped slot in cover where cable exits.
Older style P66 bracket (P/N 20-275-01) is not longer available

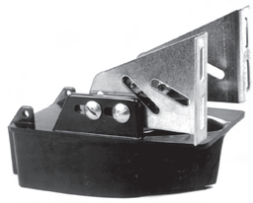
P26, P37, P52, P55



20-039	Net: € CALL

Fits: P26, P37, P52, and P55 housing styles only
• OEM replacement plastic bracket
• Adjustable tension
• Not designed for manual release

P26, P37, P52, P55



20-031	Net: € CALL

Fits: P26, P37, P52, and P55 housing styles only
• Fixed bracket with no kick-up feature

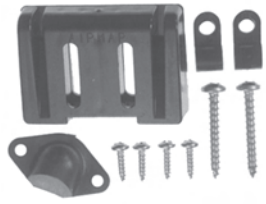
P39



33-477-01	Net: € CALL

Fits: P39 housing style only
• Plastic

P23, P32



20-154	Net: € CALL

Fits: P23 and P32 housing styles only
• Plastic

P65



20-185-1	Net: € CALL

Fits: P65 housing style only
• Plastic

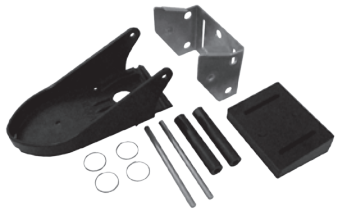
P48W, P58



33-491-01	Net: € CALL

Fits: P48W, P58 housings
• Plastic

TM258, TM270W, TM260



33-749-01	Net: € CALL

Fits: TM258, TM270W, TM260, TM256 housings
• Plastic and stainless steel

P48W, P74



33-076-01	Net: € CALL

Trolling-motor kit for P48W, P74
• Plastic

P72



33-161	Net: € CALL

Converts P72 in-hull or trolling-motor mount transducer to a portable unit.
• Plastic

P37, P52, P55

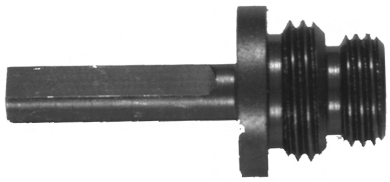


20-073	Net: € CALL

Converts P37, P52, and P55 transom transducers to a portable-mount.

Kit consists of a 89 mm (3.5”) diameter suction cup, 2 stainless adapter brackets and a complete set of stainless steel mounting hardware.

"OOPS" Arbor—By Starrett



"OOPS" Arbor accepts two-threaded cutters. [Size difference must be at least 4.8 mm (3/16").] Will accept 51 mm (2") inner and 63 mm (2.5") outer for redrilling an existing 51 mm (2") hole to a 63 mm (2.5") hole. This will ease the installation of the B60 low-profile, Tilted Element™ transducer requiring 63 mm (2.5") hole.

Remove the drill bit from original arbor. The "OOPS" Arbor, with secondary hole saw, inserts into drill bit hole.



Other Size Hole Saws	
HS-0007 22 mm (7/8")	Net: € CALL
HS-1002 32 mm (1-1/4")	Net: € CALL
HS-1003 35 mm (1-3/8")	Net: € CALL
HS-3006 95 mm (3-3/4")	Net: € CALL

Breakdown of Parts

Saw Arbor
32 mm to 152 mm (1-1/4" to 6")



HS-0A10	Net: € CALL

Hole Saw
63.5 mm (2.5")



HS-2004	Net: € CALL

"OOPS" Arbor



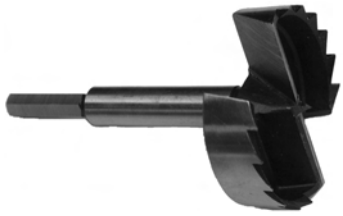
HS-0019	Net: € CALL

Hole Saw
51 mm (2")



HS-2000	Net: € CALL

B60 Forstners Bit



244-3120	Net: € CALL

89 mm (3-1/2") bit for recessing B60's. Allows for flush mounting with skim coat.

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

Bulk Transducer Cable

Bulk cable sold by the meter





Part No.	Description	Price Per Meter
06-002	**C2—**Shielded with 2-conductors. 5 mm (0.20") O.D. 22 gauge wire. **Depth or temperature applications.**	Net: € CALL
06-009	**C9—**Shielded with 4-conductors. 4.3 mm (0.17") O.D. 26 gauge wire. **Speed and temperature applications.**	Net: € CALL
06-032	**C32—**Shielded twisted pair and 4-conductors with overall shield. 6.6 mm (0.26") O.D. **TRIDUCER® Multisensor applications.**	Net: € CALL
06-150	**C43—**Shielded twisted pair and 4-conductors with overall shield. 6.6 mm (0.26") O.D. **TRIDUCER® Multisensor applications.**	Net: € CALL
06-044-01	**C44-01—**3 shielded twisted pairs with overall shield. 10.2 mm (0.40") O.D. 3 (2-18) gauge wire. **Commercial dual-frequency with optional temperature.**	Net: € CALL
06-047	**C47—**Shielded twisted pair and 4-conductors with overall shield. 6.5 mm (0.255") O.D.	Net: € CALL
06-172	**C172—**Shielded twisted pair and 4-conductors with overall shield. 4.2 mm (0.165") O.D. 22 gauge wire. **Depth and temperature applications.**	Net: € CALL
06-189-02	**C189—**Two shielded twisted pairs and one drain.4.1 mm (0.163") O.D. 24 gauge wire. **Smart™ Sensor applications.**	Net: € CALL
06-228	**C228—**Three twisted pairs and one drain wire. 6.2 mm (0.246") **WeatherStation® applications.**	Net: € CALL
06-332	**C332—**Two shielded twisted pairs and 4-conductors with overall shield. 6.3 mm (0.25") with additional conductor for Xducer ID®. **High-performance depth and temperature applications.**	Net: € CALL
06-335	**C335—**Two shielded twisted pairs and 4-conductors with overall shield. 7.5 mm (0.295") with additional conductor for Xducer ID®. **Dual-element with speed and temperature applications.**	Net: € CALL
33-150	**Cable Cover Kit**	Net: € CALL

www.airmar-emea.com

Fairing Block—Parts and Accessories

Fairing blocks are especially designed to ease installation of thru-hull transducers and provide a level mounting surface. The high impact polypropylene is easily cut and shaped to the hull.

Fairing Block Dimensions

Dimensions are taken from the top flat rectangular surface. Due to the tapered nature of most high-performance blocks, the length is varied by the angle and depth of your cut.



Yellow Triangle Bolt Plug:
04-399-01 .....€ CALL
Covers anti-rotation on high-speed fairing blocks



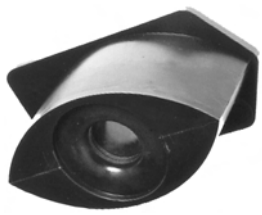
Bolt Pack for High-Performance Fairing Blocks:
33-442-01 .....€ CALL
(B256, B258, B260)
33-443-01 .....€ CALL
(TRIDUCER® Multisensor)



Angle Finder	Net: € CALL

Model: Angle Finder
Description: Quickly measures boat hull deadrise angle. Accuracy of ±1/2°.

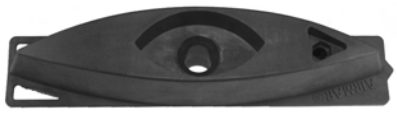
B45



33-351-01	Net: € CALL

Model: B45, Low-Speed
Dimensions: 108 mm x 60 mm x 47 mm T (4.25” x 2.37” x 1.87” T)

B45 HP



33-509-01	Net: € CALL

Model: B45, High-Performance
Dimensions: 349 mm x 65 mm x 75 mm T (13.75” x 2.56” x 2.94” T)

B744V, B744VL



33-428-01	Net: € CALL

Model: B744V, Low-Speed
Dimensions: 559 mm x 133 mm x 127 mm T (22” x 5.25” x 5” T)

B744V, B744VL HP



33-476-01	Net: € CALL

Model: B744V, High-Performance
Dimensions: 345 mm x 76 mm x 76 mm T (13.6” x 3” x 3” T)

B256, B258



33-226-01	Net: € CALL

Model: B256, B258, Low-Speed
Fits: Twinscope and PC View
Dimensions: 190 mm x 114 mm x 67 mm T (7.5” x 4.5” x 2.63” T)

B258 HP



33-523-01	Net: € CALL

Model: B258, High-Performance
Dimensions: 559 mm x 133 mm x 127 mm T (22” x 5.25” x 5” T)

B260 HP



33-391-01	Net: € CALL

Model: B260, High-Performance
Dimensions: 549 mm x 133 mm x 130 mm T (21.63” x 5.25” x 5.13” T)

B250, B260, B261



33-030-02	Net: € CALL

Model: B250, B260, B261, Low-Speed
Dimensions: 235 mm x 121 mm x 76 mm T (9.25” x 4.75” x 3” T)

R99 HP

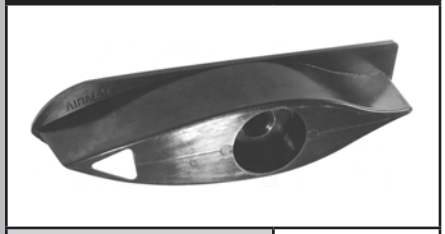


04-482-01	Net: € CALL

Model: R99, High-Performance
Dimensions: 570 mm x 139 mm x 94 mm T (22.44” x 5.48” x 3.69” T)

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

SS505 HP



33-355-01	Net: € CALL

Model: SS505, High-Performance
Dimensions: 349 mm x 76 mm x 75 mm T (13.75” x 3” x 2.94” T)

B122 HP



33-409-01	Net: € CALL

Model: B122, High-Performance
Dimensions: 343 mm x 75 mm x 75.2 mm T (13.5” x 2.94” x 2.96” T)

B256 HP



33-357-02	Net: € CALL

Model: B256, High-Performance
Dimensions: 559 mm x 124 mm x 108 mm T (22” x 4.88” x 4.25” T)

www.airmar-emea.com

Hull Inserts—Parts and Accessories

The molded pocket system was developed to allow boat builders a way to provide factory transducer provisions into their hulls. The molded pocket system forms a common transducer recess into the same location on each vessel produced. The pocket is sized to accept the popular B260, SS260 and SS270W transducers with inexpensive inserts available to allow installation of many other popular models.
A blank insert is also available for delivery of the vessel when no transducer has been installed.

The result is a “factory approved” flush transducer installation on every hull, providing predictable performance for the electronics as well as the vessel, while still leaving the customer with choices in their transducer selection.



Bolt Pack for INS-BLANK:
33-443-01 .....€ CALL

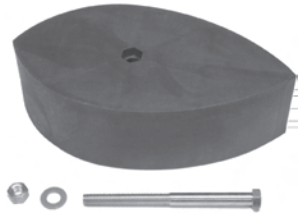
The pocket is sized for an Airmar® B260 High-Performance Transducer





...and adapters can be inserted to allow flush installation of other common models.

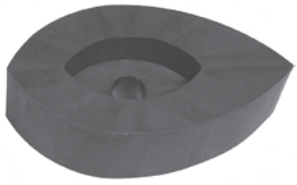
Blank



INS-BLANK	Net: € CALL

Blank hull insert fits into molded pocket and is used when a transducer is not installed at the factory.

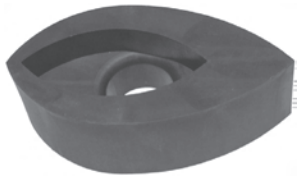
B45



INS-B45	Net: € CALL

B45 hull insert fits into molded hull pocket and allows flush mounting of a B45 transducer.

B744V, B744VL



INS-B744V	Net: € CALL

B744V hull insert fits into molded hull pocket and allows flush mounting of a B744V transducer.

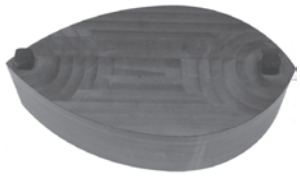
B258



INS-B258	Net: € CALL

B258 hull insert fits into molded hull pocket and allows flush mounting of a B258 transducer.

Mold Plug

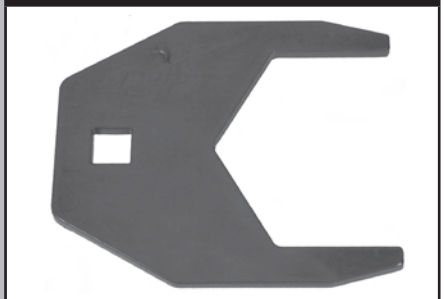


INS-MOLDPLUG	Net: € CALL

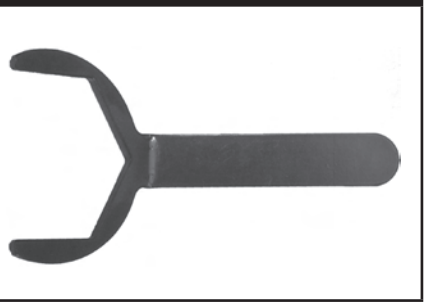
A mold plug is available for forming a transducer pocket into the hull during lay-up. Electronic drawings are also available that allow the pocket dimensions to be imported into most popular CAD programs.

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

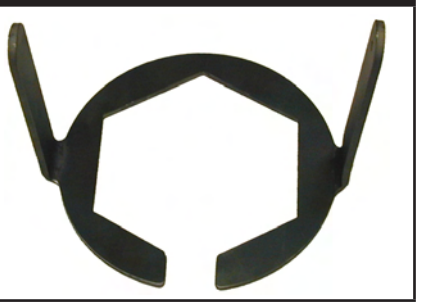
Crows Foot Wrench



Single-Handle Wrench



Double-Handle Wrench



51 mm (2”) B117 Housing



117WR-1 | **Net: € CALL**

Fits: B117, B744V, B744VL, SS555
Housings: Bronze and stainless steel thru-hulls

51 mm (2”) B117 Housing



117WR-2 | **Net: € CALL**

Fits: B117, B744V, B744VL, SS555
Housings: Bronze and stainless steel thru-hulls

51 mm (2”) B117 Housing



117WR-3 | **Net: € CALL**

Fits: B117, B744V, B744VL, SS555
Housings: Bronze and stainless steel thru-hulls

60 mm (2-3/8”) B60 Housing



60WR-1 | **Net: € CALL**

Fits: B60, SS60
Housings: Bronze and stainless steel thru-hulls

60 mm (2-3/8”) B60 Housing



60WR-2 | **Net: € CALL**

Fits: B60, SS60
Housings: Bronze and stainless steel thru-hulls

60 mm (2-3/8”) B60 Housing



60WR-3 | **Net: € CALL**

Fits: B60, SS60
Housings: Bronze and stainless steel thru-hulls

95 mm (3-3/4”) B164 Housing



164WR-1 | **Net: € CALL**

Fits: B164, SS164, SS264
Housings: Bronze and stainless steel thru-hulls

95 mm (3-3/4”) B164 Housing



164WR-2 | **Net: € CALL**

Fits: B164, SS164, SS264
Housings: Bronze and stainless steel thru-hulls

95 mm (3-3/4”) B164 Housing



164WR-3 | **Net: € CALL**

Fits: B164, SS164, SS264
Housings: Bronze and stainless steel thru-hulls

Transducer Paint



MDR-720 (2 oz)	**Net: € CALL**

MDR's anti-fouling transducer paint is formulated to resist barnacles and marine growth in fresh or salt water, thereby improving depth sounder performance. The brush in the cap makes application easy on both transom and thru-hull, plastic or bronze transducers. The water-based cuprous oxide formula will not attack the transducer face like some solvent based bottom paints. **Color: black.**

Transducer Paint



1793SP (16 oz)	**Net: € CALL**

Airmar approved for use on all plastic, bronze, and stainless steel transducers. Forms excellent underwater bond. 93% zinc in dried film. Do not use on fiberglass or wood. Do not apply hull anti-fouling paint over 1793SP paint. Do not apply more than three coats. 16 oz. aerosol spray can. **Color: gray.**

Adhesive Removal



MF4 (4 oz)	**Net: € CALL**	**6+ € CALL**
MF4C (4 oz carded)	**Net: € CALL**	**6+ € CALL**
MF12 (12 oz can)	**Net: € CALL**	**6+ € CALL**

Specially formulated product that cleans and removes polyurethane adhesives, silicone sealants.

- Cured 3M 420 , 5200
- Sika polyurethane
- Black rub marks
- Paint overspray
- Silicone rubber
- Adhesive tape residue
- Liquid nails

Epoxy Kit



EPOXY-S	Slow Cure	**Net: € CALL**
EPOXY-F	Fast Cure	**Net: € CALL**

Two-part epoxy kit for in-hull applications

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

Electronic Devices, Inc.

TT2D



TT-2D	Net: € CALL

Now you can test:
- Piezoelectric transducers
- Transformer coupled transducers
- Magnetostrictive transducers

- **Check Transducers for Proper Operation—**Determine if a transducer is good or bad within seconds
- **Extended Frequency Range—**500 Hz to over 600 kHz. Covers survey and special purpose sonar and acoustic transducers
- **Read Transducer Impedance—**Direct display of computed transducer impedance
- **Accurate Frequency Readout—**Displays resonant frequency within 10 Hz
- **Load Reactance Indicator—**Display indicates reactive component of the transducer as frequency is varied
- **Leakage Indicator—**Detect leakage in the transducer and associated wiring

How It Works:
As the frequency is varied, the voltage at the attached transducer is monitored and compared to the voltage generated internally in the TT-2D. Each cycle of the waveform is sampled at three different points. The resulting voltages are converted to digital form and sent to the microprocessor. If the transducer is good these voltages will vary in a unique manner about the resonant point. Based on this information the microprocessor will compute and display the transducer's impedance and reactance. Additionally, the DC resistance of the transducer and associated wiring are checked for continuity and leakage.

T3D



T3D	Net: € CALL

Quick, definitive tests for:
- Transducer resonant activity
- Transducer DC leakage
- Speed pickup Hall effect device
- Temperature transducer thermistor

- **Wide-Frequency Range—**30 kHz to over 520 kHz. Covers most all piezoelectric marine transducers.
- **Push-Button Calibration for Top-Notch Accuracy—**The T3D can be calibrated at the push of a button without other test equipment.
- **Temperature Sensor Test—**Temperature of thermistor is read directly in degrees Centigrade or Fahrenheit. No more guessing if the readout or transducer is bad.
- **Speed Pickup Test—**Indicator flashes when the speed paddle wheel is rotated for a positive check of the speed sensor.
- **Leakage Indicators—**Leakage is displayed over the range of 10 ohms to 10 megohms.
- **Resonance Indicator Light Bar—**Resonant points are indicated on a super-bright 10 LED bargraph.

How It Works:
The heart of the T3D is an accurate linear sweep generator combined with a sensitive phase detector. The swept frequency is applied to the transducer and the phase change is read and stored at approximately 700 points. After correcting all the readings for cable and transducer capacitance the significant changes are displayed on the LED bar graph display. Each LED corresponds to a distinct frequency band and is illuminated at a brightness proportional to the corrected phase change. Because of the combination of brightness and frequency information, the display presents a unique signature for the transducer. Should you test a faulty or improperly wired transducer no LEDs will illuminate.

DSTA-4A



DSTA-4A	Net: € CALL

For More Information:
http://www.dsts.com/dst-4a.htm

The DSTS-4A Depth Sounder Test Set uses digital signal processing, filling all the requirements to test and calibrate today's sophisticated depth sounders.

Features:
- **External Load Jacks—**For specialized load requirements
- **Calibration Selections—**For feet, fathoms, and meters
- **Wide-Frequency Range—**Covers 2.9 to 99.9 kHz
- **Input Pulses—**Up to 2,500 Vp-p for the higher power sounders
- **Fish Echo—**Mode simulates different size fish at any depth
- **Automatic—**Frequency and pulse width tracking
- **Scope Trigger Output—**Leads the reply pulse by 10 µs
- **RS-232 Option—**For complete control of all functions
- **Battery Pack Option—**Rechargeable internal battery for field use

EDI® Transducer Test Cables

EDI Test Cables are available for most common transducers. These adapters allow you to test a transducer without having to remove the connector or probe the pins. These are a direct fit for the T3D but can also be used with the TT2D in conjunction with the EDI-RC8 cable.

Furuno®



EDI-10FUR | **Net: € CALL**

Function: Depth, speed, and temperature, 10-pin connectors

Garmin®



EDI-6GAR | **Net: € CALL**

Function: Depth, speed, and temperature, 6-pin connectors

Lowrance®



EDI-7LOW | **Net: € CALL**

Function: Depth, speed, and temperature, blue or gray 7-pin connectors

Navman®



EDI-6NAV | **Net: € CALL**

Function: Depth, speed, and temperature, 6-pin connectors

Navman®



EDI-8NAV | **Net: € CALL**

Function: Depth, speed, and temperature, 8-pin connectors

Northstar®



EDI-10NS | **Net: € CALL**

Function: Depth, speed, and temperature, 10-pin connectors

Raymarine®



EDI-9RAY | **Net: € CALL**

Function: Depth and temperature, A-Series connectors

Raymarine®



EDI-RAY | **Net: € CALL**

Function: Depth and temperature, DSM Series connectors

Simrad®



EDI-7SIM | **Net: € CALL**

Function: Depth, speed, and temperature, 7-pin connectors

Si-Tex®, Standard®



EDI-9BB | **Net: € CALL**

Function: Depth, speed, and temperature, Black Box connectors

RCA®



EDI-RCA8 | **Net: € CALL**

Function: Depth only, Adapts cables for use with TT-20

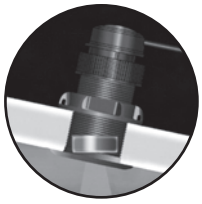
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

PB200 WeatherStation® Instrument



44-802-2-01	See Specialty Products Section for Details.

DT800 Depth and Temperature



44-133-2-02	See Smart™ Sensors Section for Details.

H2183 Heading Sensor



44-725-1-01	See Specialty Products Section for Details.

DST800 TRIDUCER® Multisensor



44-127-1-02	See Smart™ Sensors Section for Details.

GH2183 Heading Sensor With GPS



44-710-1-01	See Specialty Products Section for Details.

P39 TRIDUCER® Multisensor



44-138-1-02	See Smart™ Sensors Section for Details.

G2183 Heading Sensor With GPS



44-750-1-01	See Specialty Products Section for Details.

P79 In-Hull Transducer



44-142-1-01	See Smart™ Sensors Section for Details.

NMEA 2000® USB Gateway



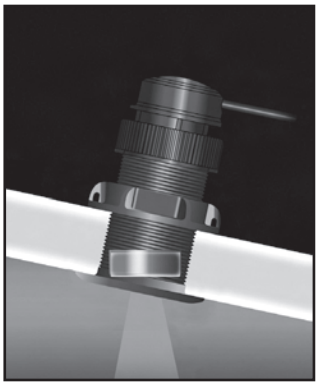
33-727-01	See Specialty Products Section for Details.

DST900EM Electro-Magnetic Sensor



TBD	See Smart™ Sensors Section for Details.

DT800 Tilted Element™



The ceramic element is tilted inside the housing, which compensates for your boats deadrise. This aims the beam straight toward the bottom resulting in strong bottom echo returns and accurate depth readings at any speed.

Smart™ Sensor Features

- NMEA 2000 output:
- 100 W RMS power
- Maximum depth range 180 m (594')
- Minimum depth range 0.5 m (1.6')

- NEW Broadband 235 kHz Ceramic:
  - Enhanced depth performance
  - Excellent high-speed performance
  - Urethane face provides better sensitivity
- Retractable insert provides ease of serviceability
- 235 kHz eliminates mutual interference with fishfinders
- All models have depth and temperature
- 6 m (19.8") NMEA 2000 devicenet cable and connector

Frequency: 235 kHz
Cone: 12°

- Fixed 20° tilt for 16° to 24° deadrise
- Fixed 12° tilt for 8° to 15° deadrise
- Fixed 0° tilt for 0° to 8° deadrise
- 51 mm (2") housing
- Blanking plug included
- Accommodates maximum hull thicknesses 54 mm (2 1/8")
- Accommodates minimum hull thicknesses 6.3 mm (0.25")

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

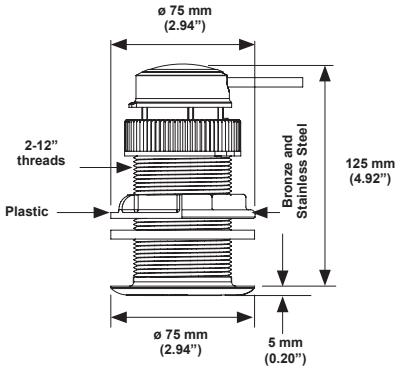
Airmar®—NMEA 2000® DT800 Smart™ Sensors

	Low-Profile 0° Tilt	
44-135-2-02	Plastic, with valve	Net: € CALL
33-100-03 / 2000-0	Bronze housing	Net: € CALL
33-617-01 / 2000-0	Stainless steel housing	Net: € CALL

	Low-Profile 12° Tilt	
44-129-3-02	Plastic, with valve	Net: € CALL
33-100-03 / 2000-12	Bronze housing	Net: € CALL
33-617-01 / 2000-12	Stainless steel housing	Net: € CALL

	Low-Profile 20° Tilt	
44-133-2-02	Plastic, with valve	Net: € CALL
33-100-03 / 2000-20	Bronze housing	Net: € CALL
33-617-01 / 2000-20	Stainless steel housing	Net: € CALL

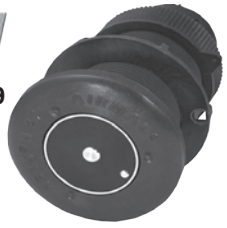
P617V Plastic, B617V Bronze, SS617V Stainless Steel



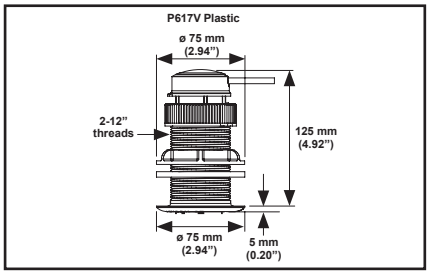
- Also available in B17 and SS577 housings

DST900EM Smart™ Sensor

NEW
Available Q2 2009



- No moving parts
- Depth, Speed, and Temperature
- Speed is calculated using magnetism
- NMEA 2000® devicenet cable



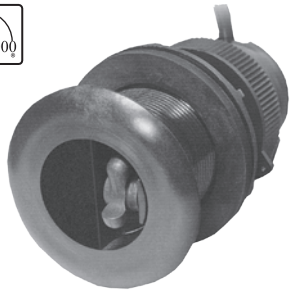
DST900EM—Electro-Magnetic Sensor

Airmar®	TBD	Net: € CALL
	Depth, speed, and temperature Fits: NMEA 2000® network	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

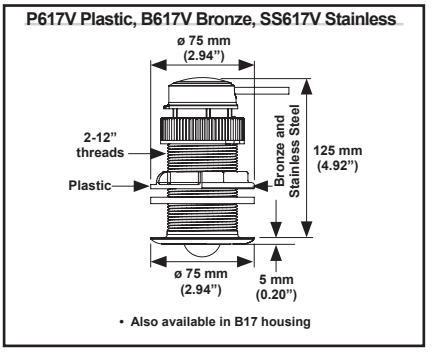
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

DST800 Smart™—NMEA 2000®



- Thru-Hull
- Depth, Speed, and Temperature
- Echo sounding up to 61 m (200')
- Fan shaped transducer beam means no performance loss on hulls with up to 22° of deadrise
- Stable and accurate speed measurement from 0.9 to 52 knots
- Retractable insert
- Many housing options available
- 6 m (19.8") NMEA 2000 cable and connector

Frequency: 235 kHz
Cone: 11° x 46° RMS Power: 80 W



DST800—235 kHz Transducer

Airmar®	44-127-1-02	Net: € CALL
	Plastic housing, Depth, speed, and temp. Fits: NMEA 2000® network	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

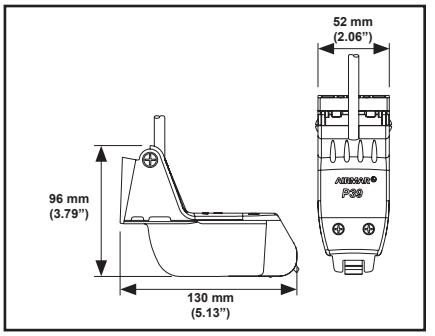
P39 Smart™—NMEA 2000®



- Transom-Mount
- Depth, Speed, and Temperature
- 6 m (19.8") NMEA 2000 cable & connector

Frequency: 235 kHz
Cone: 11° RMS Power: 100 W

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



P39—235 kHz Transducers

Airmar®	44-138-1-02	Net: € CALL
	Depth, speed, and temperature Fits: NMEA 2000® network	

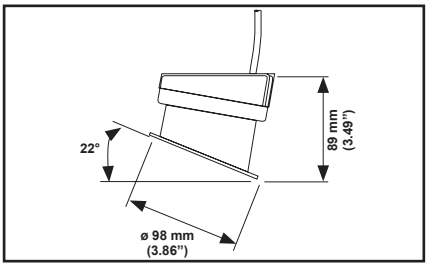
Airmar®	44-137-1-02	Net: € CALL
	Depth and temperature Fits: NMEA 2000® network	

P79 Smart™—NMEA 2000®



- In-hull transducer adjusts to deadrise angles up to 22°
- Depth Only
- No holes to drill, no hull protrusions
- 6 m (19.8") NMEA 2000 cable & connector

Frequency: 235 kHz
Cone: 7°
RMS Power: 100 W



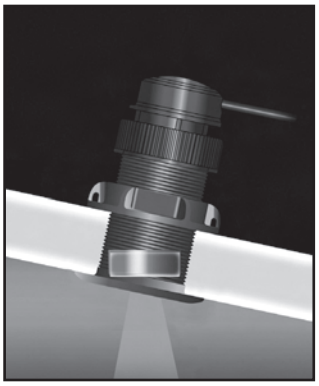
P79—235 kHz Transducer

Airmar®	44-142-1-01	Net: € CALL
	Depth only Fits: NMEA 2000® network	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

www.airmar-emea.com

DT800 Tilted Element™



The ceramic element is tilted inside the housing, which compensates for your boats deadrise. This aims the beam straight toward the bottom resulting in strong bottom echo returns and accurate depth readings at any speed.

Smart™ Sensor Features

- NEW Broadband 235 kHz Ceramic:
  - Broadband ceramic available with 12° and 20° tilt options
  - Enhanced depth performance
  - Maximum range 100 m (330')
  - Minimum range 0.5 m (1.6')
  - Urethane face provides better sensitivity
  - Excellent high-speed performance
- NMEA 0183 output
- All models have depth and temperature
- 235 kHz eliminates interference with fishfinders
- Retractable insert provides ease of serviceability
- Reverse polarity protection
- Supply voltage 8.4 to 31.2 VDC
- Supply current 30 mA maximum

Frequency: 235 kHz
Cone: 12°

(Also available in 170kHz, call for details)

- Fixed 20° tilt for 16° to 24° deadrise
- Fixed 12° tilt for 8° to 15° deadrise
- Fixed 0° tilt for 0° to 8° deadrise
- 10 m (33') cable length standard
- Maximum cable length 100 m (330')
- 51 mm (2") housing
- Blanking plug included
- Accommodates maximum hull thicknesses 54 mm (2 1/8")
- Accommodates minimum hull thicknesses 6.3 mm (0.25")

NMEA 0183 Wiring

- Red—Positive Voltage
- Black—Negative Voltage
- White—NMEA +
- Blue—NMEA -
- Bare—Shield

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

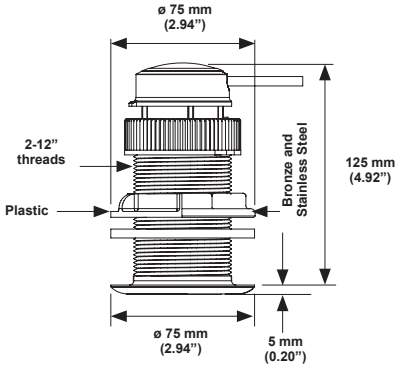
Airmar®—NMEA 0183 DT800 Smart™ Sensors

	Low-Profile 0° Tilt	
44-140-1-02	Plastic, with valve	Net: € CALL
33-100-03 / 0183-0	Bronze housing	Net: € CALL
33-617-01 / 0183-0	Stainless steel housing	Net: € CALL

	Low-Profile 12° Tilt	
44-139-1-02	Plastic, with valve	Net: € CALL
33-100-03 / 0183-12	Bronze housing	Net: € CALL
33-617-01 / 0183-12	Stainless steel housing	Net: € CALL

	Low-Profile 20° Tilt	
44-141-1-02	Plastic, with valve	Net: € CALL
33-100-03 / 0183-20	Bronze housing	Net: € CALL
33-617-01 / 0183-20	Stainless steel housing	Net: € CALL

P617V Plastic, B617V Bronze, SS617V Stainless Steel



- Also available in B17 and SS577 housings

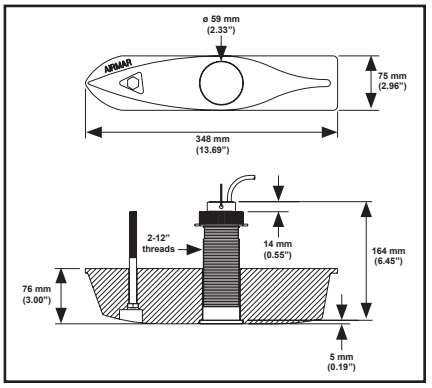
TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

B122 Smart™—NMEA 0183



- Provides Depth and Temperature
- Long-stem accommodates thick hulls and steep deadrise vessels
- High-Performance Fairing
- Fairing allows for use with up to 28° deadrise hulls
- 55 mm (2.18”) usable shaft length
- 10 m (33’) cable length
- Retractable insert

Frequency: 235 kHz
Cone: 12°



B122—235 kHz Transducer

Airmar®	44-085-1-01	Net: € CALL
	No connector Fits: NMEA 0183 instruments	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

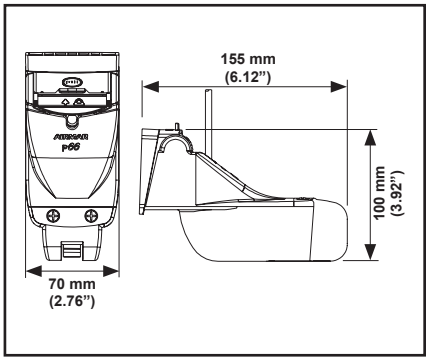
P66 Smart™—NMEA 0183



- Transom-Mount
- Available as Depth and Temperature OR Depth, Speed, and Temperature
- 10 meter cable, no connector

Frequency: 235 kHz
Cone: 7°

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



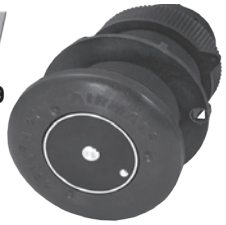
P66—235 kHz Transducers

Airmar®	44-073-1-01	Net: € CALL
	No connector, Depth, speed, and temperature Fits: NMEA 0183 instruments	

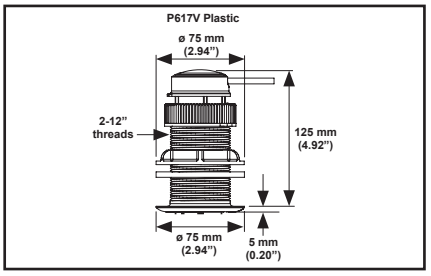
Airmar®	44-074-1-01	Net: € CALL
	No connector, Depth and temperature Fits: NMEA 0183 instruments	

ST900EM Smart™ Sensor

NEW
Available Q2 2009



- No moving parts
- Speed and Temperature
- Speed is calculated using magnetism
- 10 m (33’) cable



ST900EM—Electro-Magnetic Sensor

Airmar®	44-073-1-01	Net: € CALL
	No connector, P617V plastic housing Speed and temperature Fits: NMEA 0183 instruments	

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

DST800 Smart™—NMEA 0183

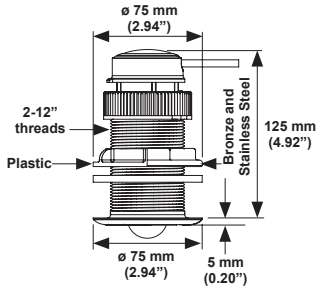


- Thru-Hull Depth, Speed, & Temperature
- Echo sounding up to 61 m (200')
- Fan shaped transducer beam means no performance loss on hulls with up to 22° of deadrise
- Stable and accurate speed measurement from 0.9 to 52 knots
- Retractable insert provides ease of serviceability
- Many housing options available
- 10 meter cable, no connector

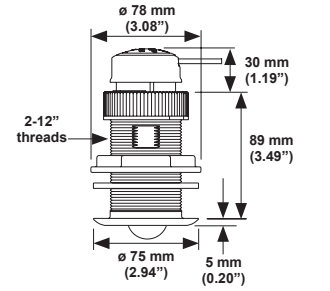
Frequency: 235 kHz
Cone: 11° x 46°

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology

P617V Plastic, B617V Bronze, SS617V Stainless



B17V Bronze



DST800—235 kHz Transducers

Airmar®	44-072-2-51	Net: € CALL
	Bronze housing Fits: NMEA 0183 instruments	

Airmar®	44-072-2-41	Net: € CALL
	Plastic housing Fits: NMEA 0183 instruments	

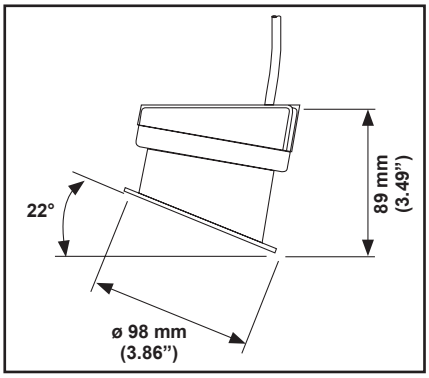
P79 Smart™—NMEA 0183



- In-hull, Depth Only transducer adjusts to deadrise angles up to 22°
- No holes to drill and no hull protrusions
- 10 meter cable, no connector

Frequency: 235 kHz
Cone: 7°

AIRMAR® TECHNOLOGY CORPORATION
Sensing Technology



P79—235 kHz Transducer

Airmar®	44-047-1-01	Net: € CALL
	No connector, Depth only Fits: NMEA 0183 instruments	

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com



Micro-Tee Connectors



Part Number	Connections	Net
33-581-01	Universal male and female	€ CALL

Power-Tee Cables



Part Number	Cable Length	Net
33-566-01	8 m (26')	€ CALL

Termination Resistors



Part Number	Connector	Net
33-579-01	Male	€ CALL
33-579-02	Female	€ CALL

Field-Attachable Connectors



Part Number	Connector	Net
33-578-01	Male	€ CALL
33-578-02	Female	€ CALL

Single-Ended Cordsets



Part Number	Cable Length	Net
33-994-05	2 m (6')	€ CALL
33-994-02	6 m (20')	€ CALL
33-994-06	10 m (33')	€ CALL
33-994-04	30 m (98')	€ CALL

Double-Ended Cordsets



Part Number	Cable Length	Net
33-565-02	1 m (3')	€ CALL
33-565-03	3 m (10')	€ CALL
33-565-04	6 m (20')	€ CALL

600 W Mix and Match Cables



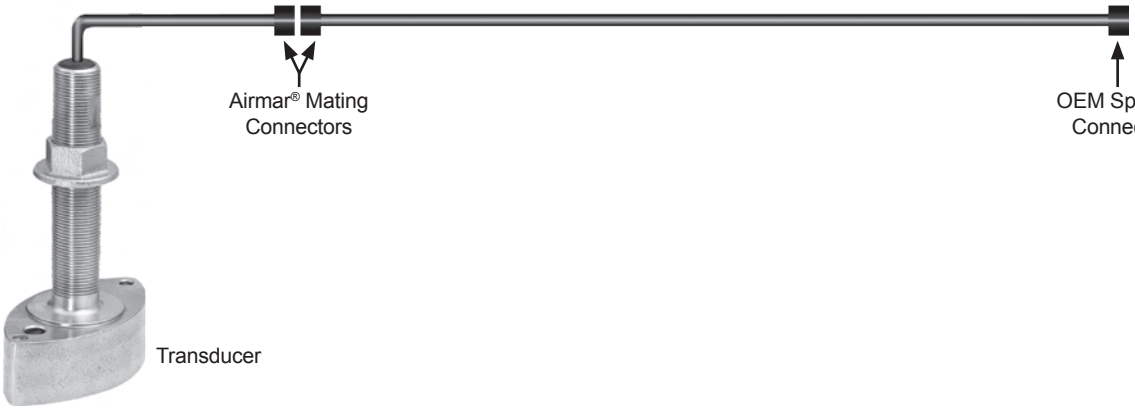
Mix and Match cables are available for purchase separately.

Although all Mix and Match transducers are sold with the appropriate cable needed for installation, replacements are available separately to allow transducer conversions or for replacing lost or damaged cables.

• 9 m (29.5') cable lengths

Airmar®	**33-480-01**	**Net: € CALL**
	Connector: None, Depth and temperature Fits: Bare wire applications	
Airmar®	**33-244-01**	**Net: € CALL**
	Connector: 3-pin Fuji, Depth only Fits: Older units with 3-pin Fuji connector	
Airmar®	**33-898-01**	**Net: € CALL**
	Connector: 8-pin Fuji, Depth and temperature Fits: Furuno and Si-Tex 8-pin Fuji connector	
Airmar®	**33-247-02**	**Net: € CALL**
	Connector: 5P/5P extension Fits: 12 m (40') extension cable for mix & match	
Airmar®	**33-252-02**	**Net: € CALL**
	Connector: 8-pin Fuji, Depth and temperature Fits: Speed and temperature 8-pin Fuji connector	
Autohelm®	**33-240-02**	**Net: € CALL**
	Connector: 2-pin, Depth only Fits: Autohelm ST50 only	
Furuno®	**33-564-01**	**Net: € CALL**
	Connector: 10-pin, Depth and temperature Fits: All Furuno 10-pin units	
Garmin®	**33-271-01**	**Net: € CALL**
	Connector: 6-pin, Depth only Fits: Garmin depth only applications	

Garmin®	**33-996-01**	**Net: € CALL**
	Connector: 6-pin, Depth and temperature Fits: Garmin 6-pin Depth and Temp. applications	
Lowrance®	**33-561-01**	**Net: € CALL**
	Connector: 7-pin, Depth and temperature Fits: Units with blue connector	
Navico®	**33-239-02**	**Net: € CALL**
	Connector: 2-pin, Depth only Fits: Certek and Navico	
Navman®	**33-914-01**	**Net: € CALL**
	Connector: 6-pin Fits: Navman 6-pin, Northstar M Series	
Northstar®	**33-860-01**	**Net: € CALL**
	Connector: 10-pin Fits: 490S, 491 (1 kW)	
Raymarine®	**33-238-02**	**Net: € CALL**
	Connector: RCA Fits: Datamarine, Navman, and Standard	
Raymarine®	**33-259-01**	**Net: € CALL**
	Connector: Spade Fits: Datamarine, Navman, and Standard	
Simrad®	**33-369-01**	**Net: € CALL**
	Connector: 7-pin Fits: Simrad, Raytheon, and JRC	



TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

1 kW Mix and Match Cables



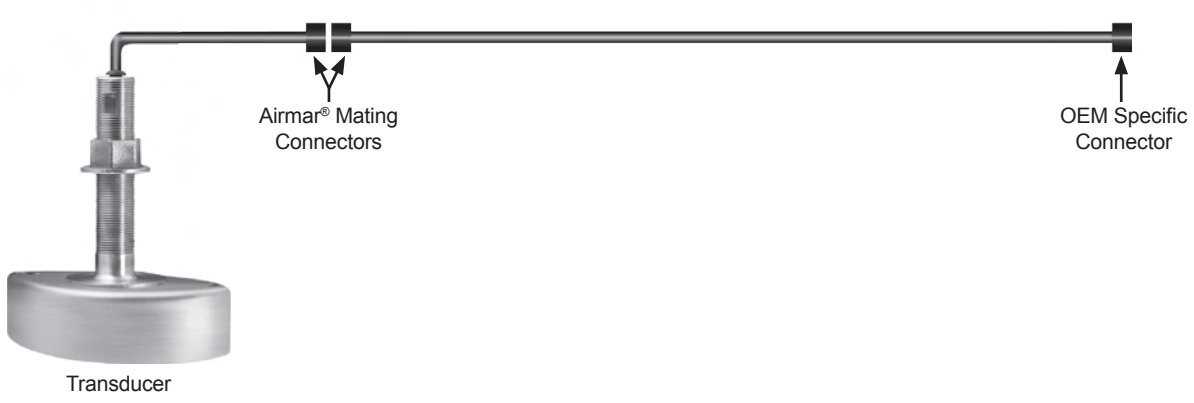
Mix and Match cables are available for purchase separately.

Although all Mix and Match transducers are sold with the appropriate cable needed for installation, replacements are available separately to allow transducer conversions or for replacing lost or damaged cables.

• 9 m (29.5') cable lengths

Airmar®	**TBD**	**Net: € CALL**
	Connector: 8-pin Fuji, Depth and temperature Fits: Furuno and Si-Tex 8-pin Fuji connector	
Furuno®	**TBD**	**Net: € CALL**
	Connector: 10-pin, Depth and temperature Fits: All Furuno 10-pin units	
Garmin®	**TBD**	**Net: € CALL**
	Connector: 6-pin, Depth and temperature Fits: Garmin 6-pin Depth and Temperature applications	
Lowrance®	**TBD**	**Net: € CALL**
	Connector: 7-pin, Depth and temperature Fits: Units with blue connector	

Navman ®, Northstar®	**TBD**	**Net: € CALL**
	Connector: 6-pin Fits: Navman 6-pin, Northstar M Series	
Northstar®	**TBD**	**Net: € CALL**
	Connector: 10-pin Fits: 490S, 491 (1 kW)	
Raymarine®	**TBD**	**Net: € CALL**
	Depth and temperature Fits: L755, L760, 770, 1250, DSM250, 300, C/E Series	
Black Box	**TBD**	**Net: € CALL**
	Connector: 8-pin, Depth and temperature Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application	



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Furuno®



33-203-03 (6 m; 20')	**Net: € CALL**
33-203-04 (10 m; 33')	**Net: € CALL**
33-203-05 (14 m; 45')	**Net: € CALL**

10-pin Extension Cable
Fits: Furuno 10-pin units

Raymarine® "C/E"



33-369-04 (3 m; 10')	**Net: € CALL**
33-369-03 (5 m; 16')	**Net: € CALL**

Extension cable
Fits: "C/E" Series

Raymarine® "A"



33-837-01 (3 m; 10')	**Net: € CALL**

Extension cable
Fits: "A" Series

Garmin®



33-906-02 (3 m; 10')	**Net: € CALL**
33-906-01 (6 m; 20')	**Net: € CALL**

6-pin Extension Cable
Fits: All Garmin units with 6-pin connector

Black Box



33-525-01 (4.6 m; 15')	**Net: € CALL**
33-525-02 (9 m; 30')	**Net: € CALL**

8-pin Extension Cable
Fits: Standard FF500, Si-Tex ES-502, Interphase, Cobra MF2500 ,Lorenz SD, Seiwa, and VDO Black Box Fishfinders—Call for Application

Mix and Match



33-247-02 (12 m; 40')	**Net: € CALL**

5-pin Extension Cable
Fits: Mix and Match transducer applications

Lowrance®



XT-12BL (4 m; 12')	**Net: € CALL**
XT-20BL (6 m; 20')	**Net: € CALL**

Extension Cable
Fits: LCX110C, LCX111C HD, LCX17M, LCX20C, LCX25C, LCX26C HD, LMS332C, LMS334 iGPS, LMS337C DF, LMS339C DF iGPS, LMS480, X102C, X107C DF, X125, X126DF, X135, X136DF, X52, S59DF

TEL: 33 (0)2 23 52 06 48
EMAIL: sales@airmar-emea.com

Furuno®



33-204 (1 m; 3')	Net: € CALL

10-pin Adapter Cable

Converts: Old style 8-pin connector to new style 10-pin connector

Furuno®



33-073-01 (1 m; 3')	Net: € CALL

10-pin Adapter Cable

Converts: New style 10-pin connector to old style 8-pin connector

Furuno®, Garmin®



33-255-01	Net: € CALL

8-pin Fuji Adapter Cable

Converts: 8-pin Fuji TRIDUCER® Multisensor depth and temperature transducers to Garmin units requiring **depth, speed, and temperature** applications

Furuno®, Garmin®



33-569-01	Net: € CALL

10-pin Adapter Cable

Converts: 10-pin Furuno units requiring TRIDUCER® Multisensor depth and temperature sensors to Garmin GSD22 requiring **depth, speed, and temperature or depth and temperature** applications

Furuno®, Northstar®



33-903-01	Net: € CALL

10-pin Adapter Cable

Converts: Furuno 10-pin connector to Northstar 10-pin connector

Furuno®, Simrad®



33-455-01	Net: € CALL

10-pin Adapter Cable

Converts: Furuno 10-pin connector to Simrad 10-pin connector, JRC 10-pin connector, Raytheon 7-pin connector

Raymarine®



33-562-01	Net: € CALL

Allows transducers used with "A" Series depthfinders to function with DSM units

Raymarine®



33-514-01	Net: € CALL

Allows transducers used with DSM units to function with "A" Series depthfinders

Connectors— Field-Attachable

5-Pin Female	33-375-01	Net: € CALL



Furuno, Si-Tex 5-pin transducer connector. Brown with chrome body. Has square, not half-moon keyway. 21 mm (0.83") O.D.

Fits: Large depthfinders

6-Pin Plug	CX-106	Net: € CALL



6-pin female connector. 1.02 mm (0.040") O.D.

Fits: Apelco, C-Map, Cetrek, Garmin, Micrologic, Navman, Northstar, Raytheon, Si-Tex, Simrad

8-Pin Plug	CX-108	Net: € CALL



8-pin female black box connector. T/P. 1.02 mm (0.040") O.D.

Fits: Bottomline, Coastal Navigator, Computrol, Raytheon

8-Pin Plug	CX-128	Net: € CALL



8-pin female connector. 1.02 mm (0.040") O.D.

Fits: WeatherStation, Navman, Icom 602, Mike Connector

6/9 m	33-508-01	Net: € CALL



6/9 m connector

Fits: Raymarine nut and tool kit for "A" Series units

Radar	20-292-01	Net: € CALL



Locking ring and radar nut connector

Fits: Raymarine DSM units

Spade	05-063-1	Net: € CALL

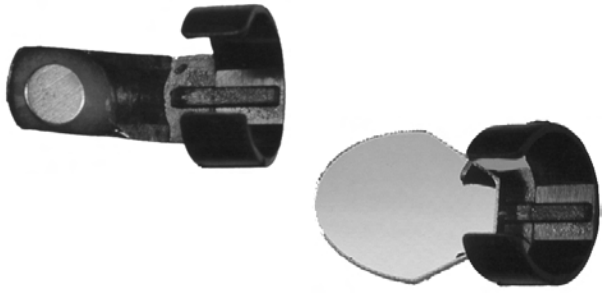


Spade ISO connector

Fits: Raymarine FISO units

VOscope

Video Scope



All Models Include:

- Waterproof, flexible Staylok shaft
- High output LED illumination
- 4 AA batteries with 5 hours of operation
- Mirror and magnet accessories
- Poly pro storage case
- 1 year warranty

Video Stik



VS36-10WW	**Net: € CALL**
910 mm (36”), 10 mm (0.4”) shaft, 63.5 mm (2.5”) color viewing screen	
VS72-10WW	**Net: € CALL**
1,829 mm (72”), 10 mm (0.4”) shaft, 63.5 mm (2.5”) color viewing screen	

VO Scope



VO24-10WW	**Net: € CALL**
610 mm (24”), 10 mm (0.4”) shaft, two white LEDs in tip	
VO48-10WW	**Net: € CALL**
1,219 mm (48”), 10 mm (0.4”) shaft, two white LEDs in tip	

VO Scope

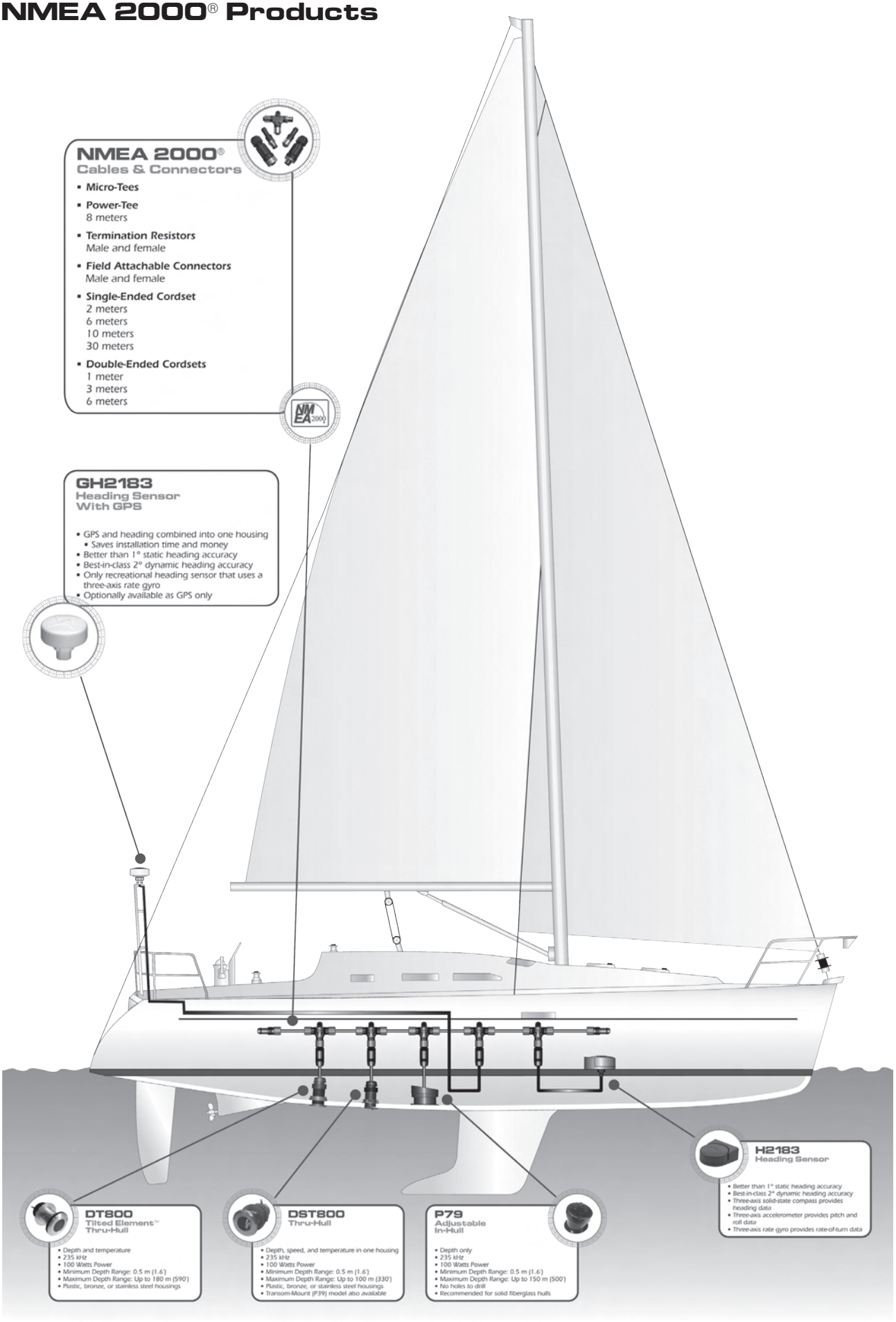




VT48-6-FLED	**Net: € CALL**
1,219 mm (48”), 6 mm (0.24”) shaft, two white LEDs in tip. For use when accessing smaller diameters such as diesel engines.	

AIRMAR® EMEA
TECHNOLOGY CORPORATION EUROPE, MIDDLE EAST, AFRICA

NMEA 2000® Products



NMEA 2000®
Cables & Connectors

- **Micro-Tees**
- **Power-Tee**
  8 meters
- **Termination Resistors**
  Male and female
- **Field Attachable Connectors**
  Male and female
- **Single-Ended Cordset**
  2 meters
  6 meters
  10 meters
  30 meters
- **Double-Ended Cordsets**
  1 meter
  3 meters
  6 meters

GH2183
Heading Sensor With GPS

- GPS and heading combined into one housing
  - Saves installation time and money
- Better than 1° static heading accuracy
- Best-in-class 2° dynamic heading accuracy
- Only recreational heading sensor that uses a three-axis rate gyro
- Optionally available as GPS only

DT800
Tilted Element™ Thru-Hull

- Depth and temperature
- 235 kHz
- 100 Watts Power
- Minimum Depth Range: 0.5 m (1.6')
- Maximum Depth Range: Up to 180 m (590')
- Plastic, bronze, or stainless steel housings

DST800
Thru-Hull

- Depth, speed, and temperature in one housing
- 235 kHz
- 100 Watts Power
- Minimum Depth Range: 0.5 m (1.6')
- Maximum Depth Range: Up to 100 m (330')
- Plastic, bronze, or stainless steel housings
- Transom-Mount (P39) model also available

P79
Adjustable In-Hull

- Depth only
- 235 kHz
- 100 Watts Power
- Minimum Depth Range: 0.5 m (1.6')
- Maximum Depth Range: Up to 150 m (500')
- No holes to drill
- Recommended for solid fiberglass hulls

H2183
Heading Sensor

- Better than 1° static heading accuracy
- Best-in-class 2° dynamic heading accuracy
- Three-axis solid-state compass provides heading data
- Three-axis accelerometer provides pitch and roll data
- Three-axis rate gyro provides rate-of-turn data

Airmar® Warranty Information

Limited Warranty

Airmar Technology Corporation warrants that all of its sensor products conform to specifications published in Airmar product literature. It also warrants that the tolerance on impedance at best transmit frequency shall be ±30% of the nominal value and transducer transmit and receive voltage responses each shall be no more than 3 dB down from the nominal values published in Airmar product literature. This warranty is subject to the limitations listed below. Airmar will repair or exchange any sensor proven to be defective by Airmar under normal use at no charge for a period of two years from date of shipment except as provided below.

Warranty Limitation

If Airmar Technology Corporation has issued electrical and mechanical design specifications pertaining to a particular product, then those specifications are the sole basis for product acceptability. If the buyer has provided to Airmar supplemental specifications in writing prior to, or at time of order entry, and Airmar has agreed to those supplemental specifications, then the Airmar products sold shall conform to the buyer's supplemental specifications. Components supplied to Airmar by the buyer for incorporation into our products are not warranted by Airmar.

The Airmar Technology Corporation warranty does not apply to sensors which have been subjected to: impact; vessel grounding; abuse; pinched, cut or abraded cables; contact with strong solvents; or misuse.

Airmar Technology Corporation assumes no responsibility for damage incurred during installation. Costs associated with sensor replacement (auto mileage, customs duties, boat hauling, and reinstallation labor) are specifically excluded from this warranty.

Snap-in paddlewheel carriers, paddlewheels, paddlewheel bearings and paddlewheel shafts are consumable items, and are specifically excluded from this warranty.

The Airmar Technology Corporation warranty does not apply to any sensor if the connector has, at any time, been removed or when the cable has been spliced or if date code or part number markings on the connector end of the cable have been removed, altered or rendered illegible.

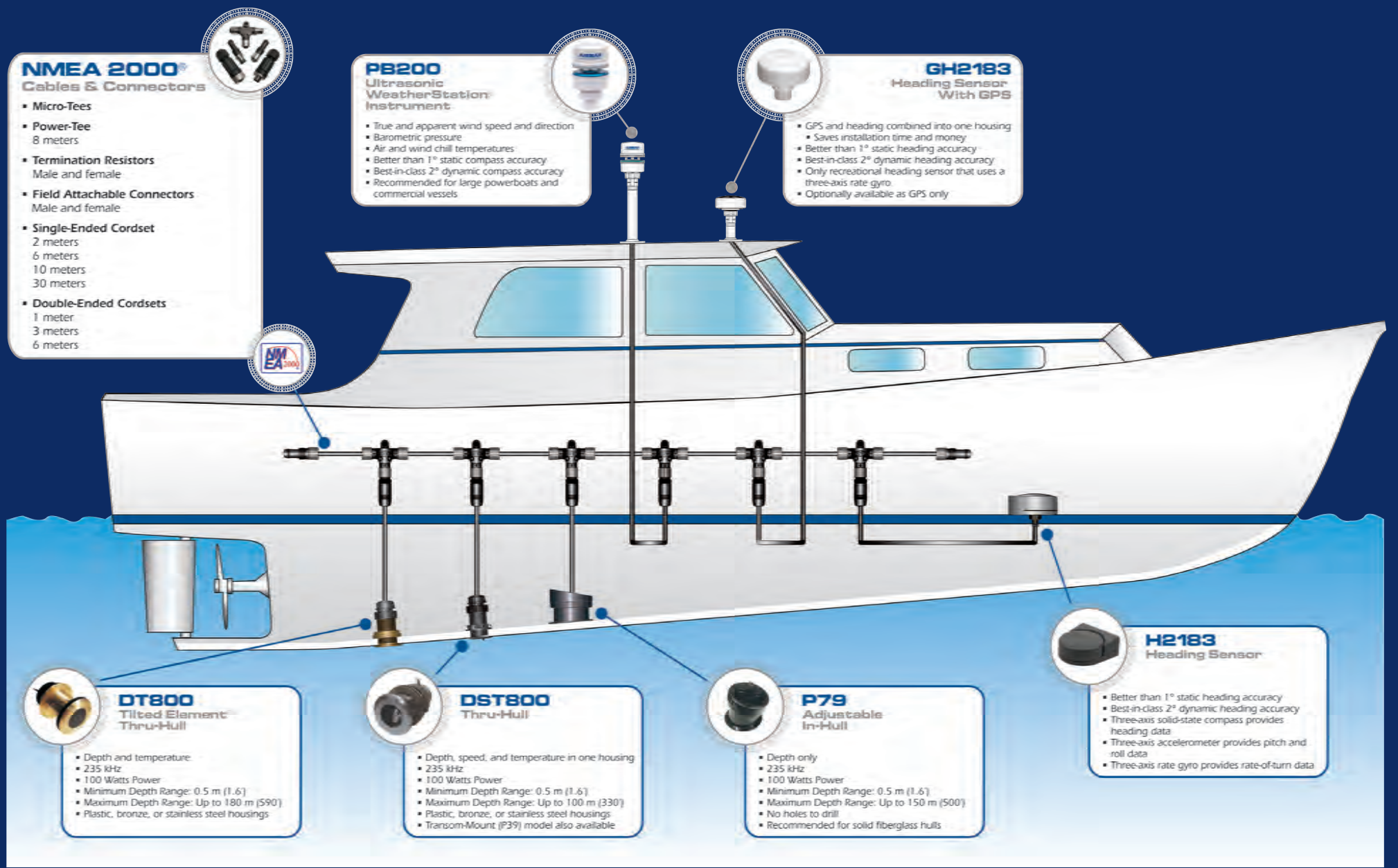
Warranty claims pertaining to damage incurred during shipment must be made in writing to Airmar within 15 days of invoice date.

This warranty is strictly limited to the terms indicated herein, and no other express or implied warranties or remedies thereunder shall be binding on Airmar Technology Corporation.

The warranties by Airmar Technology Corporation are limited to the express warranties stated herein and for the stated time periods, there are no implied warranties of merchantability or warranties of fitness for a particular purpose.

Airmar Technology Corporation shall not be liable for consequential damages under any express or implied warranties relating to this equipment.

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- **Power-Tee**
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- **Termination Resistors**
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- **Field Attachable Connectors**
  Male and female
- **Single-Ended Cordset**
  2 meters
  6 meters
  10 meters
  30 meters
- **Double-Ended Cordsets**
  1 meter
  3 meters
  6 meters

PB200
Ultrasonic WeatherStation Instrument

- True and apparent wind speed and direction
- Barometric pressure
- Air and wind chill temperatures
- Better than 1° static compass accuracy
- Best-in-class 2° dynamic compass accuracy
- Recommended for large powerboats and commercial vessels

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